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Pairing an Exhibit and GS Film on Dogs

It is a truth universally acknowledged, that a blockbuster museum exhibit, must be in want of a giant-screen film. Experience in many museums has shown that pairing a popular exhibit with a related GS film can be much more successful than either could be on its own, the whole exceeding the sum of its parts.

Museums with giant-screen theaters have a unique advantage when looking to boost the popularity of their traveling exhibits, since most GS films are intentionally made to be evergreen and remain relevant and meaningful years or even decades after their initial release. A film made many years previously may still be a perfect fit for this year's exhibition.

Films such as **National Geographic's** *Mysteries of Egypt* (1998) and **Giant Screen Films'** *Mummies: Secrets of the Pharaohs* (2007) have frequently been booked to accompany traveling exhibits of Egyptian artifacts, like King Tut; the **BBC's** *The Human Body* (2001) has been paired with the Body Worlds exhibits; and **MacGillivray Freeman's** *Dream Big: Engi-*

neering Our World (2017) has accompanied several exhibitions on engineering and other STEM topics.

However, usually there has been no formal connection between the making of the films and exhibits. Once the traveling exhibit has been booked, a relevant film will be selected. The notion of coordinating the development of the two elements has been considered, but rarely implemented.

One memorable attempt was *The Journey Inside* (1994), produced for computer chip-maker **Intel Corporation** by **Dick Clark Productions**. A rare example of fictional storytelling for the giant screen, the sci-fi tale centered on 12-year-old boy who discovers that aliens have learned about Intel's new Pentium chip and are plotting to prevent humans from gaining the power the Pentium could give them.

Intel committed to producing and providing to theaters – at no cost! – accompanying exhibits about the inner workings of computers and how microprocessors are manufactured. The company also produced some 35,000 educational kits and distributed them for free to middle school science departments throughout the U.S. and Canada between 1994 and 1998. The kits included lesson plans, teacher's guides, video tapes, a non-working Pentium chip, a six-inch silicon wafer, switches, LED lights, transistors, and batteries, and were valued at \$500 each!

Despite warnings to the filmmakers from the GS community, the finished film, which included sophisticated special effects never before seen in a GS film, came off as a slick but blatant commercial for Intel. Even after a re-cut to answer (see *DOGS* on page 6)

GSCA Film Expo and Filmmakers' Symposium

More than 200 people attended the **Giant Screen Cinema Association's** Film Expo and Filmmakers' Symposium in Los Angeles, March 11-13. The two-day Film Expo featured screenings of 12 new films, clips from 17 films in production, and presentations on 11 films in development.

The Filmmakers' Symposium included six sessions intended to acquaint newcomers to GS production with the unique aspects of the medium.

Screenings were held in the IMAX theater at the **Universal Cinema AMC at CityWalk Hollywood**, which is equipped with an IMAX 15/70 film projector and an IMAX GT laser system, although the film projector was not used for any presentations.

New Films

The new films shown at the Expo, and their producers, were:

<i>Apollo 11: First Steps Edition</i>	Statement Pictures
<i>Australia's Great Wild North</i>	Wild Pacific Media
<i>Cuba</i>	Golden Gate 3D
<i>Great Barrier Reef</i>	December Media
<i>Great Bear Rainforest</i>	Spirit Bear Entertainment
<i>Hidden Pacific</i>	Tandem Stills + Motion
<i>Mountain Quest</i>	Stranger Than Fiction Films
<i>Planet Power</i>	N3D Land Films
<i>Superpower Dogs</i>	Cosmic Picture
<i>Touch the Stars</i>	Afterglow Studios
<i>Turtle Odyssey</i>	Definition Films
<i>Volcanoes: The Fires of Creation</i>	Digital Crossing

(see *GSCA* on page 2)

Premiering in February and March
Disneynature Penguins
See page 12.

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GSCA Film Expo and Filmmakers' Symposium

(from *GSCA* on page 1)

The GSCA's rules allow films to appear as new films at two conferences. Only two titles were shown in their entirety for the first time in Los Angeles: *Superpower Dogs*, produced by **Cosmic Picture**, and **Statement Pictures'** *Apollo 11: First Steps*, which has since been renamed *Apollo 11: First Steps Edition*. Both were extremely well received by attendees.

Superpower Dogs looks at the unique relationship between humans and dogs through the examples of several rescue dogs that find people trapped in avalanches or other natural disasters, swim to the aid of drowning victims, or assist people with post-traumatic stress (see article on page 1). It is distributed by **Cosmic Picture Distribution**.

Apollo 11: First Steps Edition is a 47-minute version of the feature-length *Apollo 11* that was released to IMAX and conventional cinemas in March. Both versions use historic film and audio, including recently discovered and restored 70mm footage, to recount the first moon landing in July 1969. It is distributed by **MacGillivray Freeman Films**.

Films in production

Of the 17 films in production presented, five were being previewed for the first time at an industry meeting. Three of those are from **Disney** and will open later this year in multiplexes as well as GS theaters: *Disneynature Penguins* is "a coming-of-age story about an Adélie penguin named Steve who joins millions of fellow males in the icy Antarctic spring on a quest to build a suitable nest, find a life partner, and start a family." *The Lion King* is a remake of the 1994 animated feature, using advanced photo-realistic GCI rather than the original's hand-drawn style. And *Toy Story 4* is the latest installment in the adventures of Woody, Buzz Lightyear, and Jesse with the addition of two new characters voiced by **Jordan Peele** and **Keegan-Michael Key**.

The remaining two are New Zealand-based **Making Movies'** *Colours of China*, which examines Chinese culture through five symbolic colors, and *Blue Whales*, from **Oceanic Films**, directed by **Hugh Pearson**, and produced by GS veteran **Myles Connolly**.

The other films in production presented at the Expo, and their production companies, were:

Ancient Caves..... Oceanic Research Group
Antarctica 3D: Into the Unknown..... BBC Earth
Asteroid Impact..... Imax Corporation

Back From the Brink..... Sean Casey Productions
Cool Cities..... Wild Pacific Media
Into America's Wild..... MacGillivray Freeman
Ireland..... MacGillivray Freeman
Lost Empire of Angkor..... Definition Films
Out of Bounds..... Wild Pacific Media
Sea Lions: Life by a Whisker..... Definition Films
Secrets of the Universe..... Stephen Low Company
Snow..... Ouragan Films

Films in development

Five brand new projects were presented as films in development, four of them from Australian filmmakers. The exception is *Into the Aurora* from Brooklyn, NY-based **Bifrost Corporation**, which follows a team of scientists using rockets to better understand the nature of the polar auroras. Of the Aussie projects, **Wild Pacific Media**, which produced last year's *Australia's Great Wild North* and is currently making *Out of Bounds*, presented a new fledgling project, *Ocean Currents*, which looks at the effects on climate and ecosystems of massive oceanic rivers like the East Australian Current.

December Media, which has produced four GS titles, including 2018's *Great Barrier Reef*, is beginning work on *How to Be an Orangutan*, which will take viewers to the "mysterious tropical jungles of Borneo to discover the story of Basuki, a big-hearted orphan orangutan." And December alumnus **Stephen Amezdroz** has hung out his own shingle with **Amezdroz Media**, which is developing two GS films, *Koala Cove* about a formerly small and isolated settlement in Australia, and *Winds of Change* about an all-female ocean racing crew.

The other films in development presented were:

Dinosaurs of Antarctica..... Giant Screen Films
Ocean 3D..... Principal Large Format
The Planets: Our Next Century in Space..... Giant Screen Films
Shark Heroes..... Sea Dog TV International
Shark Rescue..... December Media
Tiger, Tiger..... Imax Corporation

Additional details about the first-time films are on page 9. For information about the projects listed but not detailed here, see our coverage of the GSCA's 2018 fall conference in the Sept.-Oct. 2018 issue.

Filmmakers' Symposium

In a session titled "Tales from the Trenches: First-Time Filmmakers Share Their Lessons Learned," producer Myles Connolly quizzed four filmmakers

new to GS work about their experiences. Connolly said that shooting for the giant screen is very challenging and “often those challenges only become apparent after you’re well embarked on the project. The giant screen is probably the hardest format I’ve ever worked in, with virtual reality being a very close second. It is just unforgiving.” Filmmakers new to the medium don’t always know what they’re getting into.

Andrew Young, producer/director of *Backyard Wilderness* (2018), described how he learned the hard way that the “Sacred Master really is sacred.” (The Sacred Master is a framing chart created by **Chris Reyna**, then at **Imagica USA**, that displays how images will be mapped onto GS flat screens and domes.) “I didn’t really grasp it until I saw the Sacred Master projected in a dome theater. We were already well into the production of our film, and I just thought, ‘Oh my God.’”

That’s because in the early stages of shooting, they had successfully captured a salamander laying eggs, which only happens during a one-week period each year, in the middle of the night. It requires having a pregnant salamander in front of the camera during that period and waiting for that entire time for her to cooperate. “Needless to say, it is an exercise in sleep deprivation.”

Thrilled that they had beautifully captured the event, they showed it to Connolly. “Imagine the sinking feeling when you share the footage with your trusted advisor, [who tells you] ‘it’s not going to work in a dome theater.’” So they had to wait for another full year, and go through another week of sleep deprivation to reshoot it with the proper framing.

Peter Chang, director of *Cuba*, faced unique problems dealing with the politics of that country. “Communist bureaucracy

was a Kafkaesque nightmare at times. It was much easier when I was just a tourist traveling around with a DSLR.” The project began during the Obama administration, when it looked as if Cuba would be opening up, and embargoes would be dropped, but the 2016 election changed the official U.S. attitude toward the country, which had a dramatic effect on the film. “That really affected our ability to get financing, sponsors, visas, and that sort of thing. We would never know exactly why something was denied; we could guess that politics had something to do with it.”

In shooting for *Volcanoes*, director **Michael Dalton Smith** relied on his long

the problems is working all the time on a set while you have your family living there. We actually had our crew living with us in a building about 100 feet away from our house.”

Storytelling for the giant screen

Moderator **Phil Streather** started the session by pointedly remarking that it was about the art of storytelling for the *giant screen*, “not the art of storytelling for iPads, or phones, or even TV or cinema.” GS films can “flow down to those other media, but we’re specifically interested in what makes telling stories on this giant screen, 80 foot wide, with very specific theater geometry, which should mean that the way stories are told needs to adapt to that.”

Wendy MacKeigan, CEO of **SK Films**, said space and underwater are topics that work well on the giant screen, but her company has “dedicated itself to the trickier areas: on land.” Although we need to be open to new ideas for film topics, there are some that she doesn’t want to see, like “surgeries on the giant screen, I don’t ever want to see cooking shows, or reality TV.”

She emphasized the importance of testing new subject areas before committing to a new project, citing the example of *Wings 3D*, a film about migratory birds that SK is

developing with **Chris Dorsey** of **Dorsey Pictures**. Testing it with a number of GS theaters, they learned what subjects audiences were more interested in, which theaters were more likely to book the film, and other useful information. Her advice to first-timers: “Don’t fall too in love with your subject matter. Be prepared to get feedback on your subject matter.”

Daniel Ferguson, director of *Superpower Dogs*, advised newcomers to “know what’s come before you. There’s a lot of illustrious history in this business, and if you’re making a movie about whales, go and see all the whales movies. Because the last thing we want is a homogeneity of content. That’s going to kill us.”

Ferguson treats his documentaries like dramas: he scripts and storyboards every-
(see *GSCA* on page 9)



Andrew Young and Susan Todd produced *Backyard Wilderness*.

experience to decide when to go out to shoot. “With volcanoes you have things you would like to include in the story, whether or not the volcano is going to cooperate; most often it doesn’t.” He often had to hike two or three days to get to the active crater, and had to carry everything he would need: “There’s no support up there. You don’t have people bringing you water.” Although he was used to that sort of challenge from years of previous non-GS filmmaking, Smith also found it hard to meet some of the more prosaic demands of the GS market: “You have to provide all these cuts, trailers, rough cuts, and all these things that all of you need.”

Susan Todd, Young’s wife, co-director, and co-producer on *Backyard Wilderness*, said that “There’s a misconception that filming in your backyard is easy. One of

Corrections

In our tribute to Toni Myers (*Feb.-March 2019*), we mistakenly wrote that *Into the Deep* had won a GSCA Award for Best Cinematography. The actual winner was *Under the Sea*.

THE BIZ

NEWS

Exploreum drops IMAX for D3D

Later this year, the **Gulf Coast Exploreum Science Center** in Mobile, AL, will replace the 20-year-old IMAX GT 15/70 film projector in its dome theater with a CineDome three-projector digital laser system from **D3D Cinema**. The new system will feature the latest Gen 2 D4K40-RGB laser projectors from **Christie**, which offer wide dynamic range and frame rates up to 120 fps. The three projectors, mounted in portrait mode at the back of the theater, use Christie's auto-alignment and auto-blending technologies to project an image that is 6K wide and 4K tall, for a true 1.33:1 aspect ratio. The Gen 2 projectors provide better images at a lower price point than the first-gen systems, according to a press release from Christie.

Two other dome theaters have installed D3D's CineDome system to date: the **Great Lakes Science Center** in Cleveland, OH, and the **Museum of Science and Industry** in Chicago, IL.

According to the Exploreum's executive director, **Don Comeaux**, the museum considered systems from D3D, **E&E Theater Services**, **Evans & Sutherland**, and **Imax Corporation**, and visited theaters equipped with each. He tells *LF Examiner* that the factors that led to the decision were D3D's image quality and upgradeability, strengthened by the fact that audience surveys showed that the public valued image quality over the IMAX brand. "After comparing all the systems out there, and looking at all their positives and all their negatives, we found that D3D's laser CineDome system was going to provide our guests with the highest quality dome theater experience." Noting that digital technologies advance very quickly, he said, "We need a system that's [upgradeable], but at a moderate cost, so we won't have to spend another one million or five hundred thousand dollars because we're behind the times again."

Comeaux plans to close the 59-foot (20-meter) dome theater in August and reopen with the new system, including a D3D

5.1-channel sound system, in October. The theater's seats, carpeting, and lighting system will be replaced for the first time since its 1998 opening, as will the lobby carpets. (The original dome will not be replaced.) The renovations, with the addition of a visual description system, will make the theater fully ADA-compliant. A separate insert projector will enable the theater to play second-run Hollywood movies.

The \$2 million renovation is being funded by **Poarch Band of Creek Indians**, the only federally recognized Indian tribe in Alabama. The sovereign nation operates three casinos and hotels in the state, and has funded several other programs at the Exploreum. When the theater reopens, it will have a name (to be announced) recognizing the Poarch Creek Indians' donation.

Comeaux plans to end the run of 15/70 film at the theater this summer with screenings of **MacGillivray Freeman Films' *Everest***, the first film shown in the theater when it opened in October 1998.

Imax signs three dome systems

Imax Corporation has signed deals to convert three IMAX Dome theaters from 15/70 film to the company's 4K laser dome system. At the **Giant Screen Cinema Association's** Film Expo in March (see article on page 1), Imax's **Therese Andrade** announced that the **Museum of Science Boston**, the **Saint Louis Science Center**, and the **Science Museum of Minnesota** in Saint Paul will get the new system, which to date has been installed in the **Tech Museum of Innovation** in San Jose, CA, and the **Cincinnati Museum Center** in Ohio.

As we have reported previously, the IMAX dome system uses a single laser projector mounted in the center "doghouse" position where the 15/70 film projector was formerly placed. The IMAX system uses a vertical anamorphic stretch to extend the native 1.9:1 aspect ratio of the DLP imaging chips to 1.43.

Of the systems currently available for

GS domes, the IMAX is one of two that use a single 4K projector. The other is **E&E Theater Services** in Elko, MN, which installed systems in the former IMAX Dome at the **Kansas Cosmosphere** in Hutchinson and at the **Washington Pavilion** in Sioux Falls, SD. Both are relatively small domes: 44 feet (13 meters) and 60 feet (18 meters), respectively.

The other leading providers of GS digital dome solutions, **D3D Cinema** and **Evans & Sutherland**, offer multi-projector systems with higher resolution: D3D's three-projector CineDome system (see item above) is 6K, and E&S's systems range from 6K to 8K and beyond. D3D and E&S offerings are based on Christie projectors that are capable of frame rates of up to 120 fps (the IMAX system can only reach 48 fps by dropping to 2K) and offer upgrade paths as technology advances. Imax has said that it will not provide any upgrades for its laser dome system, which requires a ten-year lease with an initial payment reported to be about \$1.5 million, plus royalty payments and a mandatory service contract.

Baltimore goes IMAX digital

The **Maryland Science Center** in Baltimore has replaced its 18-year-old IMAX GT3D film projector with an IMAX xenon-lamped digital system. The 400-seat theater closed in early January and over the next two months replaced the sound system, screen, seats, and carpeting for the first time since the 31-year-old theater converted to 3D in October 2000.

According to MSC's senior scientist **Jim O'Leary**, when the GT3D system was installed in 2000, a hole had to be opened in the exterior wall of the theater to allow the rolled up silver screen to be brought in. But after that screen was in place "we patched [the hole] up. Who knew we'd need another screen? We should have put a hatch in there!" So the hole was reopened this year for the new screen. Although the new screen has the same dimensions as the old — 55x72 feet (17x22 meters) — the 1.9:1 aspect ratio of the digi-

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tal projectors means the image won't fill the height of the screen.

The upgrade was funded by an \$890,000 grant from the state of Maryland.

O'Leary says the new IMAX six-channel sound system is "amazing! My office backs up to the booth, and I'm hearing things through the wall I never heard before." With the digital system he'll be playing more Hollywood films in the evening, something that became more problematic with the film system over the last decade, as fewer 15/70 prints of DMR films were released. The theater reopened with *Captain Marvel*, and is also showing *Flight of the Butterflies*, *Extreme Weather*, *Dream Big*, and *Journey to Space*.

World's largest screen in Germany

German theater chain **Lochmann Filmtheaterbetriebe** has signed a deal with **Imax Corporation** to build an IMAX theater with the largest screen in the world: 66x125 feet (20x38 meters). The two-projector IMAX GT laser system will be installed in a new addition to the Traumpalast Leonberg in Leonberg, near Stuttgart in southeastern Germany. The theater is expected to open in 2020.

Lochmann operates ten locations in Germany with 65 screens. This will be its first IMAX theater.

The current holder of the record for world's largest screen is Australia's **IMAX Theatre Melbourne**, which is 76x102 feet (23x31 meters).

Cinemark extends IMAX leases

According to *Variety*, **Imax Corporation** and **Cinemark Theatres** have extended their agreement for the chain's current 14 IMAX theaters through 2026, and will install two new IMAX laser systems by the end of the year, one as an upgrade in an existing location, and the other in a new theater. The companies are reportedly looking at possible locations for additional IMAX screens.

Cinemark is the third-biggest theater chain in the U.S., but has a much smaller

IMAX footprint than its top-two competitors **AMC Theatres** (more than 180 IMAX screens) and **Regal Entertainment** (more than 90).

Collins leaves Imax for Sony

Amanda Collins, who joined **Imax Corporation** last June as global head of communications, has left to become executive vice president and global head of communications for Sony Music Entertainment. In this position she will "responsible for the company's global internal and external communications strategy and its implementation around the world, working closely with Sony Music's corporate divisions, labels and international affiliates," according to a press release.

Before her brief stint at Imax, Collins worked in corporate communications for NBC Universal, Warner Music, and the Recording Industries Association of America. She attended Colgate University in Hamilton, NY.

Kim Findlay to retire from Putnam

Kim Findlay, president and CEO of the **Putnam Museum and Science Center** in Davenport, IA, has announced that she will retire as of June 30, after heading the institution for 12 years. Findlay joined the 152-year-old museum in 2007, and since then has overseen the development and construction of a 10,000-square-foot (930-square-meter) science center, which opened in 2014. The museum's 270-seat IMAX theater opened in 2002 with an SR 15/70 film projection system; in 2012 it was converted to digital by **D3D Cinema**, with a dual 4K **Barco** system.

Before joining the museum, Findlay was with United Way of the Quad Cities Area for 14 years, serving as its president for nine years. She holds a Bachelor's degree in Business Administration from Marycrest College in Davenport.

Toby Winsett retires from Denver

Toby Winsett, IMAX operations manager at the **Denver Museum of Nature and Science** in Colorado, is retiring at the end

of April, after 35 years at the museum. The museum is seeking two people to fill his shoes: a chief projectionist for the 36-year-old IMAX theater and a manager who will oversee both the IMAX and the museum's **Gates Planetarium**, a 56-foot (17-meter) fulldome.

Winsett tells *LF* that while still in high school he was "totally amazed" by the first laser shows he saw in the planetarium, which inspired him to study astronomy and physics in college. He started volunteering in the planetarium in 1984, and soon was running a laser show as an employee of **Laserium** (and later two other laser companies). For 12 years he was operations manager for the laser shows, during which time he also became a full-time employee of the museum, working in the planetarium after the laser shows were discontinued in 1998.

In 1999 he became chief projectionist of the IMAX theater and began working on reliability issues the theater was having with its sound system. He replaced the sound system and the following year installed a five-deck Quick Turn Reel Unit, becoming theater manager (while remaining chief projectionist) in 2004.

Under Winsett's management, the theater has won **Imax Corporation's** Maximum Image Award for Best Booth an unprecedented three times: in 2006 and 2007, while still using the original GT 15/70 projector, and in 2013 after the conversion to IMAX digital.

In 2015 Imax presented Winsett with the first Chief Quality Officer's Award of Distinction for "continuing excellence in projection quality and the maintenance and performance of theater booth operations."

He is looking forward to moving to Florida later this year and says, "I would like to give a big *thank you* to all in the GSCA; it has been an honor and privilege. You are amazing."



Toby Winsett

PERSONNEL

Pairing a Museum Exhibit and a GS Film on Dogs



One section of “Dogs: A Science Tale” lets kids compare their running speed with various breeds.

(from **DOGS** on page 1)

some of the objections, only a handful of theaters booked it.

Dogs exhibition and film

This year the first examples of a fully coordinated GS film and exhibition have opened, with *Superpower Dogs* from **Cosmic Picture** and “Dogs! A Science Tale,” developed by the **California Science Center** (CSC) in Los Angeles.

When **Jeff Rudolph** was studying at Yale, his dog Amos accompanied him to every class. Impressed by this dedication, the dean awarded the dog an honorary Master’s degree. (Rudolph earned a real degree.) Years later, as executive director of the California Science Center, Rudolph brought in the “Dead Sea Scrolls: The Exhibition,” created by the Israel Antiquities Authority, and paired it with Cosmic Picture’s *Jerusalem* (2013) in the center’s 420-seat IMAX theater.

When *Jerusalem* producer **Taran Davies** (also a fanatical dog lover) told Rudolph that Cosmic’s next GS project might be about dogs, Rudolph was immediately on board. “I said, ‘Wow. We’ve been thinking about an exhibit on dogs for years. We should really pair up and make this work together.’ We set off with the idea that

we’d love to open them both together.”

As with GS films, a major challenge in creating museum exhibits is funding. For a film and exhibit on the same topic, an additional challenge would be to find sponsors that would complement each other without creating conflicts. CSC approached the **Annenberg Foundation**, a Los Angeles-based philanthropy headed by

Wallis Annenberg, which supported development of the \$4.5 million exhibit, and provided some assistance to the film. **Petsmart Charities**, the philanthropic arm of the pet store chain, is sponsoring the exhibit’s national tour after its nine-month run in L.A. ends.

For the film’s presenting sponsor, **Cosmic Pictures** landed **Mars Petcare**, the pet food division of **Mars, Inc.**, the privately held confectionery and food products conglomerate. Thus, the exhibit’s main supporters are both non-profit charitable organizations, and although the corporate parent of Petsmart Charities markets products to pet owners, like Mars Petcare, the two are not direct competitors.

Another way in which the filmmakers and the museum cooperated was in the area of scientific advisors. The film had 12 advisors, including biologists, canine behaviorists, veterinarians, and geneticists, and some of them also served as advisors for the exhibition.

Rudolph is pleased at how closely aligned the missions of Annenberg and Petsmart Charities are with the goals of the exhibit. He tells *LF Examiner* that “the nice thing is that everyone involved in the exhibit has come from the same place of



Another section of “Dogs: A Science Tale” looks at the differences between breeds.

concern about dogs, and the human-dog bond, and caring for them while not pushing a commercial message.” Regarding Petsmart, he added, “in fact, if anything, we’re pushing them more on the marketing. We wanted to do marketing and promotions in their stores because they have huge [mailing] lists. [Petsmart Charities] said, ‘That’s not us, but we do know those people; we’ll introduce you.’”

Rudolph is also very excited by the museum’s partnership with Los Angeles Animal Services, which agreed to include a flyer about the exhibit with every application and renewal for a dog license. “We’re hitting a directly targeted audience of a couple million dog owners. The exhibit and film just open up great opportunities for marketing.”

The highly interactive 9,000-square-foot (840-square-meter) exhibition allows visitors to experience the world as dogs do, using hands-on exhibits that demonstrate dogs’ remarkably sensitive senses of smell and hearing; explains the archaeological history of dogs’ evolution from wolves; explores the long relationship between dogs and humans; and teaches visitors about the responsibilities of owning pets.

The exhibition also includes “Dog Tales,” a selection of original artworks by Norman Rockwell, Charles Schulz, and

other artists, that examines important roles dogs play in the lives of humans. “Dog Tales” is on loan from the **Lucas Museum of Narrative Art**, founded by **George Lucas** and currently being planned for a site near the science center in Los Angeles’ Exposition Park.

The strongest connection between the film and the exhibit relates to the nose, dogs’ most important sense organ, although no actual content from the film was used in the exhibit. There are also sections dealing with working dogs, the film’s primary focus, although none of the movie’s stars appear.

The exhibit was about two and a half years in the making, and closely paralleled the production schedule of the film. “The first shoot on the film was right about



Avanche rescue dog Henry on location for Superpower Dogs in Whistler, Canada.

when we were getting our first funding and starting conceptual development,” Rudolph says. The museum did the curatorial work and conceptual design and selected **Evidence Design** in New York for the practical design. Fabrication was by **Pacific Studio** in Seattle.

General admission to the California Science Center is free. Tickets for “Dogs!” are \$6.95 for children and \$9.95 for adults, with combo tickets that include the film priced at \$11.50 for children and \$16.90 for adults. Because the capacity of the exhibit is much greater than the theater’s, Rudolph expects about 40–50% of tickets sold to be combos. In the first three weeks about 35,000 attended the exhibit, on par with the performance of *Dead Sea Scrolls* at CSC and previous exhibits on *Cleopatra* and *Pompeii*.

When it closes in L.A. in January 2020, “Dogs!” will go on tour to Boston, Orlando, Phoenix, and other cities for runs of about three months. In most of those locations it will be accompanied by *Superpower Dogs*. Rudolph believes that the exhibition’s topic will make it popular and successful for years to come.

Making Superpower Dogs

The four principals of Cosmic Picture are all dog-lovers, but the driving force for the film was **Dominic Cunningham-Reid**,

(see DOGS on page 8)



Kids learn about grooming dogs.



Bloodhounds Tony and Tipper protect endangered species in Kenya.

(from **DOGS** on page 7)

who, with his wife Casi, has set up a clinic for street animals in Kenya, where they live, that has served over 17,000 animals to date. While on location for other films, he would sometimes disappear for hours or longer to take care of stray animals he found.

He brought his colleagues — producers Taran Davies and **George Duffield**, and director/writer **Daniel Ferguson** — to witness some of the amazing things that working dogs were capable of, and soon persuaded them that a GS film on the subject would work.

Duffield tells *LF Examiner* that he has “two rough-haired lurchers called Tarka and Mr Fox, amongst an entire menagerie of animals including a new addition: a baby raven called Crow.”

Davies grew up with black Labrador retrievers, and tells *LFX* that “as a filmmaker, I like telling stories that are little known or surprising, and have traveled the world looking for them from Siberia to Mecca, and Central Asia to Jerusalem. But I never thought I would find one right at the end of my bed!”

Filming took place over two and a half years in five countries: U.S., Canada, Italy, Kenya, and the Netherlands. The main star is Halo, a Dutch Shepherd the film follows from her selection as a puppy

through her training to become a disaster response rescue dog with Task Force One in Miami, FL. Five other dogs are also featured: Henry, an avalanche rescue dog in Canada; Reef, a Newfoundland who does water rescue in Italy; Ricochet, an emotional support Golden Retriever in California; and Tony and Tipper, two Bloodhounds who help protect endangered species in Kenya.

The story focuses on the powerful senses dogs possess, and the strong bonds they must form with their human handlers to learn the skills that allow them to accomplish their life-saving tasks. It examines the science of the animals’ senses of smell and hearing, topics also covered in CSC’s exhibit.

The presenting sponsor, Mars Petcare, has a strong symbiosis with the film. The

company’s mandate is “A Better World for Pets,” and several of its brands will directly support the film in their marketing efforts. The film has a strong presence on Mars’ website, and the company is providing theaters with educational materials on the science of dogs, responsible pet ownership, and fighting pet homelessness.

The company’s commitment to the project was uniquely demonstrated by Mars Petcare’s global president **Poul Weihrauch**, who came from his office in Brussels, Belgium, to introduce the film at the **Giant Screen Cinema Association’s** Film Expo in Los Angeles in March (see *article on page 1*).

The natural audience for the film is immense: 60 million U.S. households include a dog, more than any other species of pet, and U.S. spending on pets was \$69.5 million in 2017, and is growing rapidly.

Superpower Dogs opened in 35 theaters in March, and so far has been booked in 25 more, a strong launch for a GS film. Although the CSC exhibit can only accompany the film in a limited number of venues, where it does the pairing is likely to provide significant boosts to attendance.



Search and rescue dog Halo and her trainer “Cat” Labrada.

Films Presented for the First Time at the GSCA Film Expo

Apollo 11: First Steps (New) Statement Pictures, LLC Release Date: 5/17/2019 Format: 2D Length: 40 min.	Timed to coincide with the 50th anniversary of the first lunar landing, <i>Apollo 11: First Steps</i> gives a thrilling cinematic experience that showcases the real-life moments of the famed Apollo 11 mission. With never-before-seen 70mm footage and a newly discovered trove of audio recordings, the filmmakers reconstruct the Apollo 11 mission in astonishing detail. Audiences will experience the exhilarating final moments of preparation, the countdown, liftoff, landing, and return of this historic mission that united the world—one of mankind's greatest achievements. An immersive giant-screen experience that takes you straight to the heart of this intense scientific and human endeavor, <i>Apollo 11: First Steps</i> leaves us marveling at human ingenuity and the impulse that led humanity to space.	Koala Cove (In Dev.) Amezdroz Media Release Date: 9/1/2020 Format: 3D Length: 40 min.	From its days as a provider of primary resources, seafood, timbers, and native animal pelts: the community of this once small and isolated settlement are learning to embrace the concept of biodiversity. Today, their most treasured resources are the ones they previously exploited believing to be of little value in their natural state. Come with us on a truly restorative journey and experience the natural beauty of Koala Cove and the diversity of its inhabitants, large and small.
Blue Whales (In Prod.) Oceanic Films Release Date: 3/31/2021 Format: 3D Length: 42 min.	Blue whales grow to 100 feet long and have a heart the size of a car, yet despite their great size we know surprisingly little about them. With new scientific discoveries and the latest filming techniques we can now reveal the secret lives of blue whales, in a story made for the giant screen. We will follow a team of passionate scientists using the latest tech and "old fashioned" science to reveal the blue whales' epic migrations and intimate birthing grounds. In Mexico's stunning Gulf of California and off the coast of Southern California we will film blue whales as never before. Come with us as we discover the mysteries of the largest animal that has ever lived, shown in life size on the giant screen—a truly awe-inspiring experience. <i>Blue Whales</i> —the intimate story of an iconic character in an epic location.	The Lion King (In Prod.) Walt Disney Studios Motion Pictures Release Date: 7/19/2019 Format: 2D Length: 120 min.	The all-star lineup for director Jon Favreau's new take on Disney's 1994 classic animated film <i>The Lion King</i> includes stars from the film, TV, theater and music arenas. Featuring pioneering filmmaking techniques, the film welcomes back to the big screen iconic characters that audiences have long treasured—but in a whole new way.
Colours of China (In Prod.) Making Movies Release Date: 12/2019 Format: 3D Length: 37 min.	Five colours resonate through every layer of traditional and modern Chinese life. In the center, is yellow, surrounded by blue for east, red for south, white for west, and black for the north. Guided by these profoundly influential colours, the audience embarks on a visual journey to discover the relationship between Colour and Chinese culture.	Ocean Currents (In Dev.) Wild Pacific Media Release Date: 2020 Format: 3D Length: 40 min.	Five hundred million years ago life left this blue womb and colonized the land, but we are still intricately linked to the ocean. Our climates, coastlines, ecosystems, and economies are tied to the perpetual movement of water between continents. The great ocean currents are the arteries and veins of Planet Earth! This is the story of one particularly fascinating flow: the East Australian Current, a massive oceanic river that stretches the length of Australia's east coast.
Disneynature Penguins (In Prod.) Walt Disney Pictures Release Date: 4/17/2019 Format: 2D Length: 90 min.	Disneynature's all-new feature film <i>Penguins</i> is a coming-of-age story about an Adélie penguin named Steve who joins millions of fellow males in the icy Antarctic spring on a quest to build a suitable nest, find a life partner, and start a family. None of it comes easily for him, especially considering he's targeted by everything from killer whales to leopard seals, who unapologetically threaten his happily ever after. From the filmmaking team behind <i>Bears</i> and <i>Chimpanzee</i> , Disneynature's <i>Penguins</i> opens in theaters nationwide in time for Earth Day 2019.	Superpower Dogs (New) Cosmic Picture Release Date: 3/15/2019 Format: 3D Length: 44 min.	Join an immersive IMAX adventure to experience the life-saving superpowers and extraordinary bravery of some of the world's most amazing dogs. In this inspiring true story, our best friends are also real-life superheroes. Journey around the globe to meet remarkable dogs who save lives and discover the powerful bond they share with their human partners. Follow Halo, a rookie puppy training to join one of the most elite disaster response teams in America. Meet Henry, an avalanche rescue expert in the Canadian Rockies; Reef, a Newfoundland lifeguard with the Italian coastguard; Ricochet, a Californian surf legend helping people with special needs; and the Bloodhound brothers, Tipper and Tony, who are leading the fight to save endangered species in Africa. As we discover the incredible abilities of dogs and the astonishing science behind their superpowers, we'll never look at our best friends the same way again!
How to Be an Orangutan (In Dev.) December Media Release Date: 2020 Format: 3D Length: 40 min.	<i>How To Be An Orangutan</i> is a giant-screen spectacular that immerses you in the mysterious tropical jungles of Borneo to discover the story of Basuki, a big-hearted orphan Orangutan who overcomes incredible adversity to learn the skills she needs for a life of freedom in the wild.	Toy Story 4 (In Prod.) Walt Disney Studios Motion Pictures Release Date: 6/21/2019 Format: 2D Length: 120 min.	Woody has always been confident about his place in the world and that his priority is taking care of his kid, whether that's Andy or Bonnie. But when Bonnie adds a reluctant new toy called "Forky" to her room, a road trip adventure alongside old and new friends will show Woody how big the world can be for a toy.
Into the Aurora (In Dev.) Bifrost Corporation Release Date: 2021 Format: 3D Length: 40 min.	<i>Into the Aurora</i> will be the first documentary about the aurora phenomenon made for giant-screen theaters worldwide. The visually dramatic film will showcase the science of auroras in an engaging way for viewers of all ages, including for the first time in any medium, real-time video footage from inside the aurora—made possible by a little-known NASA rocket program. In telling the true-life story of the quest to gain new insights into, and capture spectacular images of, auroras, <i>Into the Aurora</i> will chronicle the contributions of a diverse team of participants, including scientists, researchers, and educators across the globe.	Wings of Change (In Dev.) Amezdroz Media Release Date: 2/1/2021 Format: 3D Length: 40 min.	Inspired by the experiences of ocean racer and circular economist Dame Ellen MacArthur, the fastest woman to sail around the world, <i>Wings of Change</i> follows an all-female crew in preparation for their sustainable challenge to one of the world's most challenging blue classics. Like Ellen MacArthur, their yacht is a metaphor for our world, survival and success is totally in their hands, nothing can be left to chance. Meticulous planning and design, extracting the maximum from the resources available and working together as a team will determine their fortune. The winds of change are blowing.

(from GSCA on page 3)

thing before shooting. "If it's tightly scripted, then you can improvise. And then the whole crew knows what you're after." Despite that, you have to remain flexible and be prepared to remake the film if you can't capture everything you were planning to shoot. He seconded MacKeigan's advice about testing: "Test it with kids; test it with teachers. You'll know when an audience is confused or they want more information. You've got to be connected with that audience somehow through the whole process."

Stomp co-creator, and co-director of four GS films, **Luke Cresswell** said he loves GS "because it's very close to [live] theater, and I come from theater, and I

think it's truly theatrical. With giant screen you have time to look at this big screen and focus on that screen in the same way you can in theater, and I think that's truly magical." As a musician, he will edit the film, then write the music, then rework the film to suit the music, change the score to fit the new edit, and so on. "That's the bit I get really excited about, when you can really start to make this whole thing come together in this immersive, theatrical space."

The Filmmakers' Symposium closed with "Giant Screen Scenes that have Moved and Inspired," a selection of clips from more than 20 classic GS films, curated by Cresswell and **Andrew Oran** of **Fotokem Industries**. They included such

iconic sequences as the first scenes of the Earth filmed from space in **Graeme Ferguson's** *The Dream is Alive* (1985); a crane shot rising up over a beaver dam from **Stephen Low's** *Beavers* (1988); the POV shot walking on a ladder over a deep crevasse in MacGillivray Freeman Films' *Everest* (1998); **David Douglas's** remarkable scenes of burning oil wells in *Fires of Kuwait* (1992); and the emotional climax of **SK Films' Flight of the Butterflies** (2012).

The GSCA's next meeting will be its annual conference and trade show, to be held in Victoria, BC, Canada, Sept. 10-12, 2019, with Dome Day in Vancouver on Sept. 13. For more information, visit giantscreencinema.com.



* New listing.

All films are 3D unless noted; underlined titles are 2D.

Updated information is printed in **bold**.

Unless noted, all films run about 40 minutes.

Apollo 11: First Steps Edition (formerly *Apollo 11: First Steps*)

Statement Pictures, CNN Films; distributor: MacGillivray Freeman Films; director: Todd Miller; producers: Todd Douglas Miller, Thomas Petersen, Evan Krauss. Executive producers: Amy Entelis, Courtney Sexton, Josh Braun. 2D. Release: May 17.

Secrets of the Universe

Stephen Low Company; distributor: K2 Studios; director: Stephen Low; producer: Pietro Serapiglia; executive producers: K2 Studios. Narrator: Simon Helberg. Release: May 24.

Hidden Pacific

Tandem Stills + Motion; distributor: Giant Screen Films; director: Ian Shive; producers: Ian Shive, Erika Nortemann, Mark Fletcher; DP: Ian Shive; script: Mark Fletcher, score: Cody Westheimer; executive producers: Andy Wood, Ian Shive, Alice Garrett. Cast: Jessica Kim, Susan White, Charlie Pelizza. Release: May.

Train Time

Stephen Low Company; distributor: Stephen Low Company; director, script: Stephen Low; producers: Pietro Serapiglia, Stephen Low; executive producer: Paul Globus. 2D. Release: September.

Asteroid Impact

Imax Corporation, Huahuang Pictures; distributor: Imax Corporation; director: W.D. Hogan; producers: Jini Durr, Phil Groves; DP: Sean MacLeod Phillips; script: Phil Groves; executive producers: Anna Chi, Phil Groves. Cast: Len J. Phillips, Steve Tsang, Bernadette Janssen. Release: Oct. 4.
– Principal photography is complete, post production is under way.

Out of Bounds

Wild Pacific Media; distributor: K2 Studios; director: Caspar Mazzotti; producers: Nick Robinson, Dave Gross, Mark Kresser; DP: Nick Robinson; script: Mark Krenzien, Caspar Mazzotti. Cast:

May '19

Jul '19

Jan '20

**Apollo
SOTU
HidPac**

Torah Bright. Release: October.

Back From the Brink

Sean Casey Productions; distributor: Cosmic Picture; director, DP: Sean Casey; producers: Jen Casey, Sean Casey; script: Mose Richards. Release: Fall.

- Early 2019: Winter shoot with snub-nosed monkeys in the foothills of the Himalayas in China
- Filmed bald eagles and golden eagles being captured and tagged in California
- Principal photography is complete, post production is under way.

Sea Lions: Life by a Whisker

Definition Films; distributor: K2 Studios. Release: Dec. 1.

Colours of China

Making Movies/ China Intercontinental Communication Company/Gebrueder-beetz Filmproduktion; distributor: tba; executive producer: James Heyward. Release: December.

Cool Cities

Wild Pacific Media; distributor: K2 Communications. Release: December.

Lost Empire of Angkor

Definition Films, Helio Projects; distributor: K2 Studios; director: Murray Pope; writer: John Weiley. Release: 2019.

Into America's Wild (wt, formerly MFF's *New Adventure Film*)

MacGillivray Freeman Films; distributor: MacGillivray Freeman Films; director: Greg MacGillivray; producer: Shaun MacGillivray. Release: February 2020.

- Continuing pickup shots and aerials in Washington state, Oregon, Utah, Texas, and Appalachian Trail.
- Post production is under way.

Snow

St. Thomas Productions, nWave Studios; distributor: nWave Pictures; directors: Cyril Barbançon, Jacqueline Farmer; producer: Jacqueline Farmer; DPs: Cyril Barbançon, Jacqueline Farmer; script: Philippe Chappuis; score: Franck Marchal; executive producer: Eric Dillens. Release: Spring 2020.

- January: Filmed in Lake Ontario; Rochester, NY; Hautes-Alpes, France.
- February: Filming at Pays des Ecrins in southeastern France.

Einstein's Incredible Universe (wt)

Cosmic Picture; distributor: tba; director: Daniel Ferguson; producers: Taran Davies, George Duffield, Daniel Ferguson; script: Daniel Ferguson, Mose Richards; DP: Reed Smoot. Release: fall 2020.

Wild Wonders of China

Transcendent Media, Blue Sky Aerial & Specialist Filming; distributor: tba; director: tba; producers:

TrainT

**Astlmp
OOB

BFTB**

**SeaLion
COC
CoolCit
Angkor**

IAW

Peta Milan, Staffan Widstrand, Vicky Degerfeldt; DP: Peter Degerfeldt. Release: fall 2020.

Ancient Caves

Oceanic Research Group; distributor: MacGillivray Freeman Film Distribution; director, DP: Jonathan Bird; producers: Jonathan Bird, Art Cohen; script: Jonathan Bird, Art Cohen; score: Bruce Zimmerman; executive producer: Shaun MacGillivray. Cast: Dr. Gina Moseley, Dr. Larry Edwards, Brian Kakuk, Todd Kelly, Dr. Keith Tinker. All digital formats. 2D. Release: 2020.

- April: Filmed new aerial in the Bahamas.
- All photography is complete, post production is under way.

Antarctica 3D: Into the Unknown

BBC Earth; distributor: tba; director: Fredi Devas; producers: Jonny Keeling, Myles Connolly; executive producer: Jonathan Williams. Release: 2020.

- Early 2019: Filming in the Antarctic Peninsula and South Georgia Island.

Dinosaurs of Antarctica

Giant Screen Films; distributor: Giant Screen Films; director: David Clark; producers: Don Kempf, Deborah Raksany, Andy Wood; DP: Reed Smoot; script: Deborah Raksany, Andy Wood. Release: 2020.

- January: Filmed dinosaur backplates in New Zealand.
- February: CGI compositing begins.

Elephant

Wild Expectations, Ltd.; distributor: tba. Release: 2020.

Feathered Dinosaurs (wt)

Saint Thomas Productions; distributor: nWave Pictures. Narrator: James Faulkner. Release: 2020.

Journey to the Great Mayan Reef (wt, formerly *The Dolphin Ambassador*)

Milbrand Cinema; distributor: tba; director, producer, DP: Lance Milbrand; editor: Dave Choice; score: Icarus Music. Cast: Kathleen Dudzinski, Eldon Bolton. Release: 2020.

- Traveled to Iceland to film a sequence about global warming.

Ocean Currents

Wild Pacific Media, Definition Films; distributor: K2 Studios. Release: 2020.

Secrets of the Sands

Atlantic Productions; distributor: Serengeti Entertainment. Release: 2020.

Wingsuit Flyers

Grand Schema; distributor: K2 Communications; director: Christopher J. Scott; producers: John Molli, Christopher J. Scott, Aschi Michel, Tom Fore; DP: Robert Hollingworth; script: Christopher J. Scott; executive producers: Rob Sharps, Doug Greenstein, W. Kyle Gore, Daniel Verbic, Tom McCollum. Release: 2020.

Snow

EIU **AncCav** **Eleph** **OceCurr**
WWOC **AntITU** **FeaDin** **SSands**
DOA **JTTGMR** **Wingsuit**

BluWha

Ireland →
 Leonar →

Blue Whales

Oceanic Films; distributor: tba; director: Hugh Pearson; producers: Hugh Pearson, Myles Connolly; DP: Hector Skevington-Postles; writers: Hugh Pearson, Myles Connolly. Cast: Diane Gendron. Release: March 2021.

– March: Three-week expedition to the Sea of Cortez to film blue whales and a scientist who studies them.

Ireland

MacGillivray Freeman Films; distributor: MacGillivray Freeman Films; director: Greg MacGillivray; producer: Shaun MacGillivray. Release:

2021.

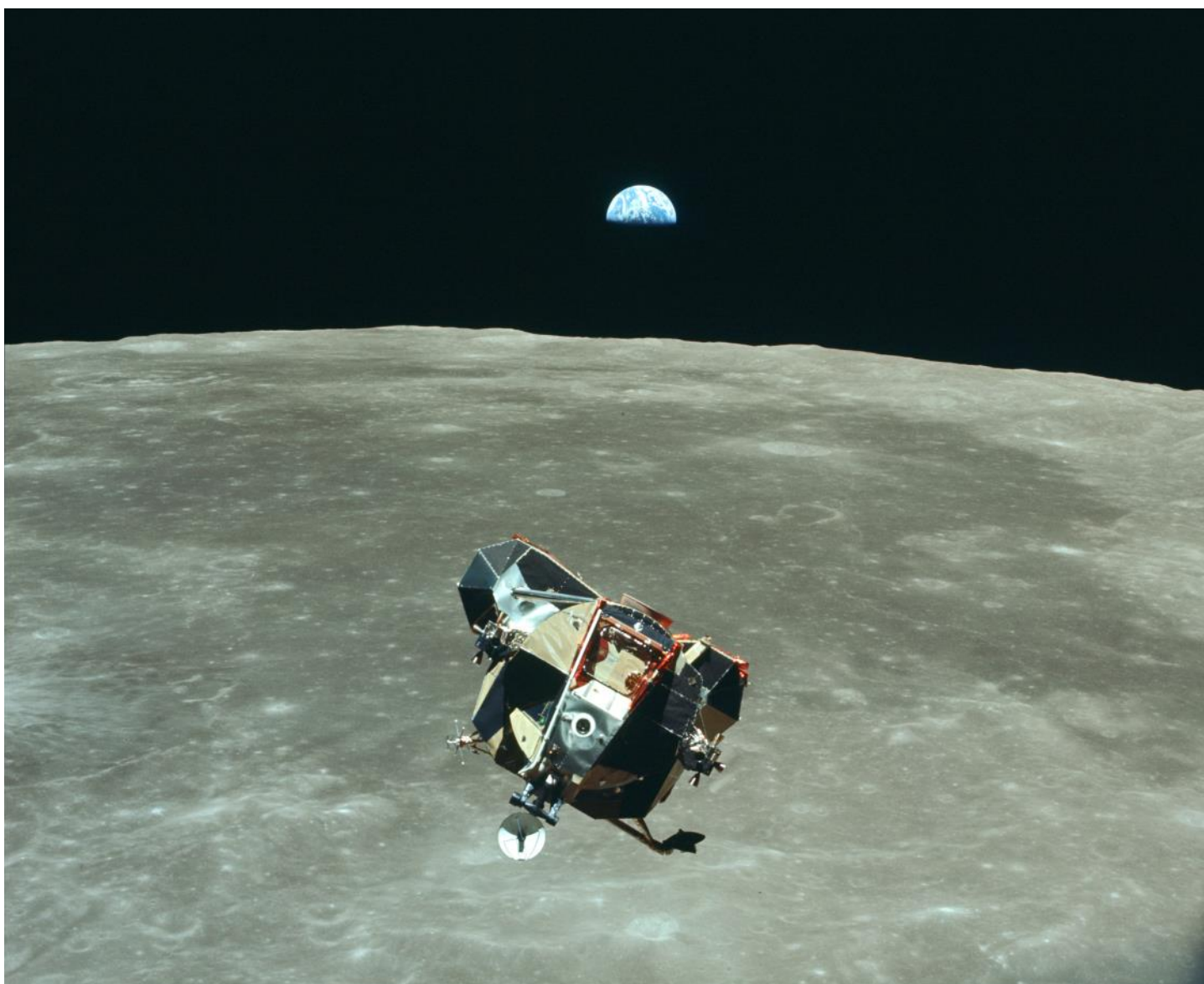
– Principal photography is complete, post production is under way.

Leonardo da Vinci: The Last Interview (wt)

Camera Lucida Productions; distributor: MacGillivray Freeman Films; director: Francois Bertrand; DP: Vincent Mattias; script: Serge Bramly, Francois Bertrand. Executive producer: Francois Bertrand. Release: 2021.

DMR FILMS:

<i>John Wick: Chapter 3</i>	SUM	05/17/19
<i>Aladdin</i>	WDPD	05/24/19
<i>Godzilla: King of Monsters</i>	WB	5/31/19
<i>Dark Phoenix</i>	FOX	6/7/19
<i>Men in Black International</i>	SONY	6/14/19
<i>Toy Story 4</i>	WDPD	6/21/19
<i>Annabelle Comes Home</i>	WB	06/28/19
<i>Spider-Man: Far From Home</i>	SONY	7/5/19
<i>The Lion King</i>	WDPD	7/19/19
<i>IT: Chapter 2</i>	TBD	9/6/19
<i>Joker</i>	WB	10/4/19
<i>Frozen 2</i>	WDPD	11/22/19
<i>Star Wars: Episode IX</i>	WDPD	12/20/19



Apollo 11: First Steps Edition

Premiering This Month

Disneynature Penguins

Produced by Disneynature, distributed by Walt Disney Studios Motion Pictures, directed by Alastair Fothergill, Jeff Wilson, produced by Roy Conli, Alastair Fothergill, Keith Scholey, Jeff Wilson, photographed by Rolf Steinmann, written by David Fowler, scored by Harry Gregson-Williams, starring the voice of Ed Helms. 76 minutes. 2D. Release date: April 17.

"Disneynature's all-new feature film, *Penguins*, is a coming-of-age story about an Adélie penguin named Steve who joins millions of fellow males in the icy Antarctic spring on a quest to build a suitable nest, find a life partner, and start a family. None of it comes easily for him, especially considering he's targeted by everything from killer whales to leopard seals, who unapologetically threaten his happily ever after. From the filmmaking team behind *Bears* and *Chimpanzee*, Disneynature's *Penguins* opens in theaters nationwide in time for Earth Day 2019."



Disneynature Penguins

Walt Disney Studios Motion Pictures

(from **SHORTS** on page 20)

nearly 3,400 PLF screens, not including IMAX theaters.

New 3D HFR HDR system coming

At **CinemaCom** in Las Vegas in April, **Huaxia Film Distribution**, **Christie**, and **GDC Technology** announced a partnership to develop and install an advanced cinema system that will be capable of projecting 4K images in 3D at 120 fps per eye with High Dynamic Range (HDR) and Wide Color Gamut. Called the Cinity Cinema System, it is expected to launch in August in mainland China, with 100 theaters rolling out in Hong Kong, Macao, and Taiwan after that, followed by locations in other countries.

The companies are also developing production, post-production, and distribution technologies and facilities to support the release of films in the format.

The first film to premiere in Cinity will be **Ang Lee's** *Gemini Man*, a sci-fi film from **Paramount Pictures** starring **Will Smith**, **Clive Owen**, and **Mary Elizabeth Winstead** that is set to open on Oct. 11.

Other notable filmmakers have been invited to serve as consultants to Cinity, reportedly including **James Cameron**, **Peter Jackson**, and **Douglas Trumbull**. Cameron has said his sequel to *Avatar*, expected in December 2020, will be filmed in High Frame Rate (HFR), but has not disclosed which rate. Jackson made the first mainstream film to be released in HFR, *The Hobbit* (2012), although its use of the technique was not well received by the public and critics, who said it had a "video look." Trumbull developed the first film-based HFR system, **Showscan**, in the early 1980s, and in recent years has created a digital counterpart, dubbed **MAGI**, that displays 3D 4K images at 120 fps.

"Twin" dome theater in China

A new digital dome theater has opened in a water park in Shanghai with an unusual configuration: suspended from the top of the 79-foot (24 meter) dome is a 10-foot (3-meter) sphere. Separate images are projected on each of the surfaces, with 21 of the **Christie** 2K laser phosphor projectors covering the main dome and four

others illuminating the small sphere. The challenge was to place the projectors so that neither screen displayed any occlusions.

The Sky Theater is located in the **Shanghai Haichang Ocean Park**, which opened in November 2018.

Dark Knight trilogy shown on 15/70

In March and April, five cities hosted screenings of **Christopher Nolan's** Batman trilogy on 15/70 film. On March 30, *Batman Begins* (2005), *The Dark Knight* (2008), *The Dark Knight Rises* (2012) were shown at the **AMC Universal Citywalk** IMAX theater in Los Angeles, attended by Nolan, who participated in a moderated discussion of the films. On April 13 the films were shown at the **AMC Lincoln Square** IMAX in New York City and the **AMC Metreon** IMAX in San Francisco, where a recording of Nolan's L.A. appearance was also screened. And on April 20, they were shown at the **Cinesphere** in Toronto's **Ontario Place** and the **Indiana State Museum IMAX Theater** in Indianapolis.

Bookings: April 2019 by Film

660 bookings of 93 films in 159 theaters

These listings do not include Hollywood films shown in multiplex IMAX theaters. Those films are listed when they are shown in non-multiplex theaters, and conversely, non-Hollywood giant-screen films showing on multiplex IMAX screens are also listed.

Listings shown in **bold face** below are new or updated listings. The rest are unchanged from the previous

month's issue.

The data on the following pages are *not* warranted to be comprehensive or accurate in every detail, despite our best efforts to make them so. They have been compiled from theater surveys, distributors, the Web, and other sources.

We will make every effort to improve the thorough-

ness, and accuracy of these data. If your theater or film is not shown here, please get in touch with us to update our listings.

Where a date is not shown, it means that no date was provided by the source or, in the case of a closing date, that no date has been set, or that the run is indefinite.

The key to film abbreviations is on page 17.

Film	Theater	Open	Close	Film	Theater	Open	Close	Film	Theater	Open	Close
ACGOTS	Columbus GA NIM	5/26/17	5/31/19	Cleveland		2/2/19	8/1/19	Pittsburgh CSC		11/17/17	12/31/19
	Corpus Christi Lex	6/17/16		Dearborn THF		8/1/18	7/31/19	Portage Cel		6/30/17	7/31/19
	Dayton	6/17/16	12/31/19	Erie		8/4/18	6/30/19	Regina		2/17/17	12/31/19
	Hampton VASC	11/10/17	11/9/19	Fort Lauderdale		6/1/18	5/31/20	Saint Augustine		2/17/17	6/30/20
	Hutchinson	5/29/17	11/30/19	Fort Worth		11/2/18	5/30/19	San Diego RHF		3/10/17	4/1/19
	Pensacola NAM	5/26/17	6/30/20	Galveston		8/21/18	6/30/19	San Jose Tech		2/17/17	11/1/19
	Quantico	4/2/18	4/2/19	Garden City		9/25/18	9/24/19	Seattle PSC 2		2/17/17	6/30/19
	Toronto OP	6/1/18	6/1/20	Gatineau		6/1/18	3/31/20	Singapore DC		10/1/18	4/1/19
	Washington NASM	5/26/17	5/25/20	Guayaquil		4/3/19	3/31/20	Sioux Falls		6/2/17	6/30/19
	Katowice CC		9/30/19	Hague		2/12/19	2/1/20	Sudbury		2/17/17	6/30/19
AfricAdv	Krakow CC		9/30/19	Houston MNS		2/16/19	9/15/19	Thessaloniki		10/28/17	10/2/19
	Lodz CC		9/30/19	Jersey City		8/4/18	8/3/19	Valencia Spn		4/1/18	6/30/19
	Poznan CC		9/30/19	Lehi		5/24/18	5/24/20	Victoria DCI		3/17/17	12/31/19
	Warsaw CC		9/30/12	Lubbock SS		11/9/18	5/30/19	Washington NASM		2/17/17	2/16/20
	Wroclaw CC		9/30/19	New York AMNH		9/14/18	4/30/19	Edmonton TWS		9/14/18	9/23/19
	Alamogordo	6/28/18	6/28/19	Norwalk MA		3/24/18	6/30/19	McMinnville		6/16/16	
	Dongguan STM	1/1/19	12/31/19	Omaha Zoo		11/1/18	4/30/19	Portland OMSI ET		1/16/15	4/28/19
	Harbin STM	12/1/18	12/1/19	Orlando SC		11/1/18	10/31/19	Atlanta FMNH		6/21/18	6/30/19
	Saint Louis SC	9/14/18	9/13/19	Pittsburgh CSC		8/31/18	6/30/19	Orlando SC		4/1/18	4/30/19
	Seattle PSC 2	10/5/18	4/4/19	Portland OMSI ET		9/7/18	9/6/19	Chandigarh		6/15/18	6/14/20
AirRacer	Shanghai 3D STM	1/1/19	1/1/20	Raleigh		6/4/18	6/3/19	Gatineau		7/30/18	3/30/20
	Hutchinson	1/19/18	1/31/20	Sioux Falls		2/1/19	5/31/19	Hartberg			4/1/19
	Austin TSHM	9/1/18	8/15/19	Sudbury		9/4/18	6/30/19	Harrisburg		3/20/19	
	Charlotte DP	5/1/17	6/30/19	Tallahassee CLC		10/18/18	10/18/19	AguaCalientes		5/26/18	4/30/19
	Chicago MSI	5/26/17	6/30/19	Valencia Spn		4/1/19	6/30/20	Baltimore MSC		3/1/19	6/30/21
	Cleveland	1/9/18	6/30/19	Virginia Beach AMSC		6/30/18	12/31/19	Calgary TS		9/1/17	9/1/20
	Columbus COSI	1/10/18	6/30/19	Columbus COSI		9/15/14	6/30/19	Davenport Put		10/15/16	10/14/19
	Edmonton TWS	1/19/18	6/30/19	Davenport Put		10/1/12	4/28/20	Detroit MSC		5/22/17	5/21/20
	Erie	6/30/18	6/30/19	Edmonton TWS		6/30/18	6/30/19	Edmonton TWS		6/2/17	6/1/19
	Houston MNS	4/21/17	12/31/19	San Diego RHF		7/1/14	6/30/19	Garza Garcia		3/1/18	6/30/19
Amazon	Indianapolis Imx	9/8/17	6/7/19	Salt Lake City Clark		4/7/18	4/6/19	Kansas City Sci		10/15/16	10/14/19
	Kuwait SCK	6/14/18	12/31/19	Fort Worth		6/10/17	9/30/19	Kuwait SCK		11/1/17	4/30/19
	Melbourne MV	9/15/17	9/13/19	Hartberg		3/25/15	4/1/19	Melbourne MV		4/1/19	3/31/20
	Orlando SC	2/24/18	6/30/20	Denver MNS		10/19/18	10/31/19	Memphis Pink		3/24/17	8/31/19
	Peoria RM	6/20/18	9/30/19	Edmonton TWS		2/1/19	2/28/20	Milwaukee		10/15/16	6/30/19
	Pittsburgh CSC	11/17/17	6/30/19	Galveston		3/9/19	3/31/20	Philadelphia FI		2/1/17	12/31/19
	Portland OMSI ET	2/16/18	2/16/20	Gatineau		2/1/19	2/28/20	Raleigh		10/17/16	10/15/21
	Richmond SMV	5/1/18	4/30/19	Hutchinson		2/15/19	2/28/20	Sacramento Imx		2/24/17	
	Sacramento Imx	9/8/17	6/30/19	Tallahassee CLC		1/18/19	6/30/20	Saint Augustine		10/15/16	10/16/20
	Seattle PSC 2	11/10/17		Tijuana		10/15/18	10/14/19	Salt Lake City Clark		10/24/16	11/19/19
AMJ	Shanghai 3D STM	8/1/18	8/1/19	Victoria DCI		3/29/19	3/31/20	San Jose Tech		10/15/16	10/30/19
	Sioux Falls	12/2/17	6/30/19	Columbus GA NIM		1/31/18	12/1/19	Sudbury		10/15/16	6/30/19
	Syracuse MOST	2/16/19	2/15/20	Dayton		5/26/17	12/31/19	Tallahassee CLC		5/19/17	5/1/20
	Tallahassee CLC	4/28/17	6/30/19	Dearborn THF		2/27/17	5/31/19	Tijuana		7/28/17	6/1/19
	Toronto OSC	10/6/17	6/30/20	Edmonton TWS		3/1/18	12/31/19	Chantilly		12/10/04	
	Vancouver TWS	12/22/17	6/30/19	Gatineau		9/1/15	12/31/20	Corpus Christi Lex		5/12/12	
	Victoria DCI	4/14/17	6/30/19	Hampton VASC		10/17/18	10/17/19	Dayton		3/1/13	
	Hartberg	3/25/15	4/1/19	Hutchinson		12/31/17	1/31/20	McMinnville		3/23/12	
	AguaCalientes	4/5/19	8/5/19	London BFI Ode		6/25/18	6/25/19	Charlotte DP		5/26/18	12/31/19
	Albuquerque NMMNH	7/16/18	7/15/19	Pensacola NAM		7/1/18	6/30/19	Columbus COSI		7/17/17	7/30/19
AMMM	Austin Reg	3/1/19	6/1/20	Peoria RM		4/2/15	2/28/20	Davenport Put		3/27/14	6/1/20
	Chandigarh	6/15/18	6/14/20	Raleigh		5/23/14	2/28/20	Kenner		6/4/16	6/3/21
	Chattanooga TA	6/22/18	6/21/19	Seattle PSC 2		3/29/14	6/30/19	Killeen		9/15/17	9/15/20
	Cleveland	3/23/18	3/31/20	Sudbury		5/30/16	6/30/19	Portland OMSI ET		5/22/14	4/9/19
	Columbus COSI	5/25/18	5/24/19	Vancouver TWS		11/7/15	11/13/19	Kuwait SCK		2/21/19	5/6/19
	Dearborn THF	2/16/18	2/18/20	Victoria DCI		7/1/17	7/1/19	Leon Exp		1/2/19	4/30/19
	Guayaquil	4/16/19	4/15/20	Washington NASM		5/23/17	5/22/19	Hague		10/4/12	10/3/20
	Hague	7/3/18	7/2/19	Fort Worth		7/15/16	9/30/19	Louisville KSC		6/18/15	7/2/20
	Hampton VASC	10/1/18	9/30/19	Houston MNS		7/1/17	6/30/19	Lucerne		11/1/17	10/31/19
	Hartberg	4/6/19	4/15/20	Kansas City Sci		7/3/18	7/31/19	Raleigh		2/1/12	10/21
AOTE	Hastings	6/21/18	6/20/19	Portland OMSI ET		1/26/18	1/31/20	Saint Louis SC		6/30/19	
	Indianapolis Imx	6/8/18	6/7/19	Fort Worth		5/28/16	9/30/19	San Diego RHF		11/14	4/20
	Lubbock SS	7/6/18	7/6/19	Gatineau		7/9/18	3/20/20	Atlanta FMNH		11/2/18	5/2/19
	Lucerne	9/1/19	9/1/19	Kolkata SC		3/1/19	12/1/19	Columbus COSI		9/1/14	6/30/19
	Memphis Pink	8/11/18	8/10/19	Mumbai NSC		3/1/19	12/1/19	Davenport Put		2/15/13	6/30/19
	Mexicali	9/22/18	8/23/19	Speyer Dome		1/1/15	12/30/19	Edmonton TWS		12/26/13	6/30/19
	Monterrey Pap	3/15/18	4/15/20	Austin TSHM		10/1/17	9/1/19	Gatineau		10/5/12	6/30/19
	Montreal SC	5/18/18	5/17/19	Baltimore MSC		2/17/17	6/30/19	Harrisburg		2/2/14	6/30/19
	Moscow Kin	4/15/18	4/16/20	Benton Harbor Cel		7/15/17	7/31/19	Hastings		3/17/13	6/30/19
	Pensacola NAM	2/26/19	2/27/20	Bradford		1/1/18	12/31/19	Lehi		1/19/19	1/19/20
Arabia	Peoria RM	2/16/18	2/17/20	Chantilly		2/17/17	2/16/20	Louisville KSC		9/30/12	6/30/19
	Pittsburgh CSC	1/25/19	1/24/20	Charlotte DP		8/26/17	12/31/19	Peoria RM		4/1/16	6/30/19
	Raleigh	9/1/18	8/31/19	Cleveland		3/17/17	3/31/20	Portland OMSI ET		1/7/14	6/30/19
	Regina	5/11/18	5/12/19	Dearborn THF		2/17/17	2/18/20	Raleigh		10/19/17	6/30/19
	Saint Augustine	6/1/18	5/30/19	Edmonton TWS		3/25/17	2/18/20	Richmond SMV		5/1/13	6/30/19
	San Jose Tech	2/17/18	11/1/19	Fort Worth		2/17/17	6/30/19	Sacramento Imx		8/13/13	5/31/19
	Seattle PSC 2	9/7/18	9/6/19	Garden City		12/1/17	12/31/19	Saint Augustine		1/18/13	6/30/19
	Singapore SC	4/22/19	5/22/19	Grand Rapids Cel		7/15/17	7/31/19	San Diego RHF		10/12/12	6/30/19
	Sioux Falls	2/1/19	8/1/19	Guayaquil		4/16/18	4/15/19	Tallahassee CLC		1/18/13	6/30/19
	Tallahassee CLC	2/16/18	2/28/20	Harrisburg		2/18/17	3/1/20	Victoria DCI		4/5/13	6/30/19
AsterME	Valencia Spn	7/1/18	6/3/19	Hastings		10/19/17	10/1/19	Berlin CS		4/20/14	10/19/19
	London BFI Ode	9/1/18	2/6/20	Houston MNS		2/17/17	12/31/19	Davenport Put		1/29/19	10/20/20
	Melbourne MV	7/1/17		Indianapolis Imx		1/17/19	1/16/20	Hastings		2/10/15	6/10/19
	Stockholm	10/1/17	10/1/19	Jersey City		2/17/17	12/31/19	Katowice CC		6/18/14	9/30/19
	Galveston	11/17/18	11/30/19	Lansing Cel		6/30/17	7/31/19	Krakow CC		6/18/14	9/30/19
	Portland OMSI ET	1/26/18	1/31/20	London SM		9/4/17	8/31/19	Lodz CC		6/18/14	9/30/19
	Saint Félicien	4/1/18	11/30/19	Louisville KSC		2/17/17	2/28/20	Poznan CC		6/18/14	9/30/19
	Gatineau	4/24/18	3/30/20	Monterrey Pap		2/2/18	4/15/20	Prague CC		5/22/14	12/31/19
	Atlanta FMNH	1/1/18	1/10/20	Moscow Kin		9/10/17	6/1/19	Salt Lake City Clark		11/1/18	10/31/19
	Garden City	5/19/17	6/18/20	Mount Pleasant Cel		7/15/17	7/31/19	Warsaw CC		6/18/14	9/30/19
BackWild	Baltimore MSC	3/1/19	3/1/21	Muskegon Cel		7/15/17	7/31/19	Wroclaw CC		10/4/17	9/30/19
	Charlotte DP	11/23/18	11/23/19	Orlando SC		2/17/17	11/19/19	Alexandria BA		1/30/19	1/29/20

Film	Theater	Open	Close	Film	Theater	Open	Close	Film	Theater	Open	Close	
GBRF	Atlanta FMNH	12/15/18	12/14/19	LastReef	Davenport Put	7/1/15	6/30/19	SeaMonst	Hampton VASC	6/20/15	6/19/19	
	Boston MOS	7/5/18	7/4/19		Louisville KSC	2/8/14	6/30/19		Hutchinson	5/20/16	6/12/19	
	Cleveland	8/1/18	7/31/19		Sacramento Imx	5/20/16	6/30/19		McMinnville	1/16/15	5/30/19	
	Edmonton TWS	7/1/18	6/30/19		Sioux Falls	1/30/15	6/30/19		Milwaukee	5/1/16	6/30/19	
	Fort Lauderdale	10/5/18	10/4/19		Chantilly	5/1/15			Regina	9/1/18	9/1/19	
	Harrisburg	7/6/18	7/5/19	LITAOA	Davenport Put	7/1/16	10/1/20		San Jose Tech	10/3/15	10/31/20	
	Houston MNS	3/8/19	3/8/20		Hutchinson	5/1/15	7/1/19		Tallahassee CLC	10/16/15	11/8/19	
	Jersey City	11/23/18	11/22/19		Lehi	4/10/15	7/30/19		Edmonton TWS	1/3/16	8/31/19	
	Milwaukee	3/30/19	6/30/20		McMinnville	4/10/15	5/30/19		Portland OMSI ET	1/15/14	4/28/19	
	Port of Spain	1/30/19	1/29/20		Washington NASM	4/10/15			SFLIS	Beijing 3D CSTM	1/1/19	6/30/20
	Saint Augustine	8/20/18	8/19/20	McMinnville	3/23/12		Philadelphia FI	2/2/19		2/2/21		
	Salt Lake City Clark	7/21/18	7/20/19	Albuquerque NMMNH	2/11/19	2/10/20	Victoria DCI	9/22/17		12/31/19		
	San Diego RHF	7/5/18	7/5/19	Atlanta FMNH	2/9/18	2/8/20	Chicago MSI	5/25/18		5/25/19		
	Fort Lauderdale	2/15/19	2/14/20	Melbourne MV	1/30/17	1/28/20	Copenhagen TBP	7/15/18		7/15/19		
	GCA	Harrisburg	2/15/19	2/14/20	MOC	Oulu	4/1/19	9/30/19	SOE	Hong Kong SM	1/1/19	
Jersey City		3/15/19	3/14/20	Memphis Pink		2/9/19	5/22/20	Salt Lake City Clark		11/10/18	8/30/19	
Orlando SC		2/23/19	2/22/20	Mobile		1/25/19	1/31/20	Victoria DCI		9/11/18		
Raleigh		3/1/19	2/28/20	Sudbury		9/7/17	10/31/19	Beijing 3D CSTM		4/1/19	3/31/20	
Regina		2/15/19	2/14/20	Speyer Dome		12/31/19		Hutchinson		9/8/17	3/31/20	
Saint Augustine		2/15/19	2/14/20	MOF MOTUW	Bradford	4/12/14	6/30/19	Singapore SC	6/1/18	6/1/19		
Singapore SC		3/16/19	3/15/20		Copenhagen TBP	6/19/14	6/18/19	SpacJunk	Hutchinson	10/31/14	11/30/20	
Sudbury		2/15/19	6/30/20		Hague	10/1/15	12/19		Shanghai 3D STM	2/1/19	2/1/20	
Tijuana		2/22/19	2/22/20		Mumbai Ino	1/1/18	12/31/19		Albuquerque NMMNH	4/19/19		
Toronto OSC		2/15/19	2/14/20		Parker	1/30/19	1/29/20		Atlantic City	3/15/19		
GC		Vancouver TWS	2/15/19	2/14/20	Raleigh	San Diego RHF	11/8/13		4/3/20	Branson	Birmingham AL	3/15/19
		Victoria DCI	2/15/19	2/14/20		Stockholm	9/18/15	9/1/19	Carnival Horizon		3/15/19	
		Grand Canyon DCI	11/1/99	12/19		Tallahassee CLC	3/17	3/20	Carnival Vista		3/15/19	
		Grand Rapids Cel	9/1/18	7/31/19		Milwaukee	10/1/18	9/30/19	Charlotte DP		3/15/19	
		Richmond SMV	6/1/16	7/31/19		Baton Rouge LASM	3/1/17	3/31/21	Chicago NP AMC		3/15/19	
	GCS	Charlotte DP	11/1/17	10/1/20	MounQues	Cincinnati MC	2/1/19	12/31/19	Columbus COSI	Columbus COSI	3/15/19	
		Des Moines	10/1/16	9/1/20		Melbourne MV	9/22/17	9/30/19		Davenport Put	3/15/19	
		Edmonton TWS	10/1/16	6/4/20		Peoria RM	10/16/18	10/31/20		Dearborn THF	3/15/19	
		Mobile	10/18/17	10/31/20		Phoenix ASC	2/6/19	2/28/20		Denver MNS	3/15/19	
		Seattle PSC 1	10/1/16	12/31/20		Sacramento Imx	1/1/17	6/30/19		Edmonton TWS	3/15/19	
		GWS	Vancouver TWS	10/1/16	2/5/20	Niagara	Vancouver TWS	7/1/17	6/30/19	Fort Lauderdale	4/19/19	
			Boston NEA	5/31/13	6/30/19		Niagara Can DCI	7/1/86		Fort Worth	3/15/19	
			Gatineau	10/7/16	3/31/20		Niagara NY DCI	5/1/07		Hampton VASC	3/15/19	
			Hague	4/1/18	4/30/19		Albuquerque NMMNH	4/2/18	4/1/19	Hastings	3/15/19	
			Hutchinson	7/1/17	12/31/19		Baltimore MSC	7/1/18	6/30/19	Houston MNS	4/26/19	
HCBTD			Sacramento Imx	2/20/15	6/30/19	NPA	Branson	3/18/16	4/12/20	Indianapolis Imx	3/15/19	
			San Jose Tech	10/31/18	1/31/20		Carnival Horizon	4/1/18	10/5/19	Los Angeles CSC	3/15/19	
			San Simeon DCI	8/17/96			Carnival Vista	11/4/16	6/4/19	Louisville KSC	3/15/19	
			Hampton VASC	9/7/18	12/31/19		Cincinnati MC	1/1/19	2/1/21	Lubbock SS	3/10/19	
			Lansing Cel	7/1/18	7/31/19		Cleveland	7/1/17	3/1/20	Norwalk MA	3/15/19	
	HOTB		Parker	7/29/18	7/21/19	HidUniv	Columbus GA NIM	4/1/16	5/9/19	Orlando SC	4/1/19	
			Tallahassee CLC	2/1/19	2/28/20		Edmonton TWS	2/12/16	10/15/19	Peoria RM	3/30/19	
			New Orleans	9/15/15	12/31/19		Fort Worth	2/12/16	5/31/19	Philadelphia FI	4/13/19	
			Baltimore MSC	7/1/15	7/12/19		Grand Rapids Cel	10/1/18	7/31/19	Portland OMSI ET	3/15/19	
			Boston MOS	2/13/15	12/31/19		Hampton VASC	4/29/16	4/29/19	Raleigh	3/15/19	
		HumpbWha	Cincinnati MC	2/1/19	2/1/21	Hurrigan	Harrisburg	7/1/16	7/1/19	Sacramento Imx	3/15/19	
			Edmonton TWS	10/2/15			Hastings	6/9/16	7/1/19	Saint Louis SC	3/15/19	
			Grand Rapids Cel	9/1/18	7/31/19		Houston MNS	7/1/18	12/31/19	Salt Lake City Clark	3/30/19	3/29/20
			Indianapolis Imx	8/17/16	6/5/19		Jersey City	2/12/16	6/24/19	San Jose Tech	3/22/19	
			Keelung NMST	7/1/18	6/30/19		Lansing Cel	10/1/18	6/24/19	Seattle PSC 2	3/15/19	
IncrPred			Leon Exp	12/1/18	5/31/19	JTM	London BFI Ode	2/12/16	7/1/19	Shreveport	3/15/19	
			Mexico City PAP	11/16/16	4/1/19		Mexicali	4/22/18	8/18/19	Sudbury	3/1/15	
			Pittsburgh CSC	6/17/16	12/31/19		Mobile	5/26/18	5/25/19	Syracuse MOST	4/15/19	
			Portage Cel	9/1/18	7/31/19		Moscow Kin	9/17/16	12/1/19	Tallahassee CLC	3/15/19	
			Richmond SMV	3/14/15	7/31/19		Pittsburgh CSC	2/12/16	12/31/19	Toronto OSC	4/12/19	
	JMSO		Sacramento Imx	8/19/16	10/24/19	JTS	Portage Cel	10/1/18	7/31/19	Washington NASM	3/15/19	
			Sudbury	9/24/15			Richmond SMV	4/10/16	4/30/19	Chicago MSI	5/31/18	5/31/19
			Tallahassee CLC	1/1/19	2/28/20		Sacramento Imx	2/19/16	3/25/20	Davenport Put	7/1/14	6/30/19
			Vancouver TWS	10/9/15	6/30/19		San Diego NHM	12/1/18	8/31/19	Fort Worth	3/1/17	9/30/19
			Hampton VASC	6/15/17	6/14/19		San Jose Tech	2/12/16	1/11/19	Louisville KSC	2/1/16	7/31/19
		JTSP	Lucerne	12/18/18	8/31/19	JTTSP	Singapore SC	4/22/19	5/22/19	Portland OMSI ET	1/26/18	1/31/20
			Port of Spain	4/26/18	4/25/19		Sinsheim	3/4/16	3/1/20	Davenport Put	9/25/15	6/30/19
			Atlanta FMNH	9/30/17	12/31/19		Sudbury	2/12/16	6/30/19	Harrisburg	2/1/18	3/31/21
			Columbus COSI	9/22/18	9/30/19		Valencia Spn	10/7/16	6/30/19	Louisville KSC	9/21/17	9/30/19
			Lehi	9/29/17	9/30/19		Vancouver TWS	2/12/16	6/30/19	Melbourne MV	9/22/17	9/30/19
Kenya			Phoenix ASC	10/19/18	10/31/19	OOBP	Al Khobar	8/15/18	8/30/19	Memphis Pink	11/17/18	5/22/20
			Victoria DCI	1/18/18	1/130/19		Athens Eug	3/1/19	3/31/20	Peoria RM	6/30/18	6/30/20
			Sioux Falls	5/4/18	4/30/19		Atlanta FMNH	8/3/18	8/30/19	Pittsburgh CSC	11/15/17	11/30/19
			Edmonton TWS	12/26/13	6/30/19		Birmingham AL	9/30/18	9/30/19	Poitiers Imax	4/1/16	4/30/19
			Galveston	11/12/15	4/22/19		Charlotte DP	6/1/18	6/30/19	Sioux Falls	7/1/17	6/30/19
	JMSO		Hague	3/31/14	12/31/19	Penguins	Columbus COSI	9/22/18	9/30/19	Sudbury	6/24/16	5/31/19
			Jersey City	9/1/18	8/31/20		Denver MNS	9/1/18	9/30/19	Tallahassee CLC	1/6/16	7/31/19
			London BFI Ode	1/1/14	7/30/19		Galveston	5/1/18	5/31/19	Sacramento Imx	5/20/16	6/30/19
			Louisville KSC	1/20/14	7/20/20		Hague	7/13/18	7/31/19	Sioux Falls	7/1/17	6/30/19
			Sacramento Imx	9/15/14	10/23/19		Jersey City	6/25/18	6/30/19	Atlanta FMNH	6/15/17	6/30/19
		JMSO	Salt Lake City Clark	11/21/18	11/21/19	PlanPowe	Kuwait SCK	8/20/18	5/31/19	Davenport Put	2/1/15	6/30/19
			San Diego RHF	11/20/15	4/3/20		London BFI Ode	9/7/18	6/30/19	Hutchinson	7/1/17	12/31/19
			San Jose Tech	3/15/15	6/20/19		Louisville KSC	8/15/18	6/15/19	Louisville KSC	6/30/18	7/31/19
			Speyer Dome	12/12/13	12/11/19		Lubbock SS	5/1/18	5/31/19	Melbourne MV	9/22/17	9/30/19
			Harbin STM	12/1/18	12/1/19		Lucerne	6/1/18	6/30/19	Milwaukee	6/14/18	6/30/19
JTSP			Edmonton TWS	12/26/13	6/30/19	PTJH	Milwaukee	6/14/18	6/30/19	New Orleans	7/1/17	6/30/19
			Hague	6/30/19			Montreal SC	6/1/18	6/30/19	Phoenix ASC	12/1/18	12/31/19
			Columbus GA NIM	12/4/15	4/30/19		Norwalk MA	10/5/18	10/31/19	Glasgow	4/1/15	4/10/19
			Dayton	3/6/15	4/30/19		Orlando SC	4/16/18	4/30/19	Grand Rapids Cel	6/2/18	7/31/19
			Hampton VASC	2/21/15	2/20/20		Peoria RM	9/28/18	9/30/19	Moscow Kin	11/1/18	12/1/19
	JTSP		Indianapolis Imx	8/31/18	8/30/19	Pulse	Philadelphia FI	5/1/18	5/1/19	Portage Cel	6/1/18	7/31/19
			KSC 1	2/27/15			Phoenix ASC	5/4/18	5/31/19	Tallahassee CLC	2/1/19	2/28/20
			Los Angeles CSC	10/29/15	6/9/19		Portland OMSI ET	4/20/18	4/30/19	Copenhagen TBP	4/14/19	4/13/20
			Pensacola NAM	4/1/15	11/30/19		Richmond SMV	6/1/18	6/30/19	McMinnville	1/1/19	12/31/19
			Raleigh	6/16/17	6/15/19		Seattle PSC 2	4/20/11	4/30/19	Erie	4/27/19	10/30/19
		JTSP	Salt Lake City Clark	5/15/15	5/31/19	RobotsNG	Stockholm	2/22/19	2/21/20	Hastings	9/13/18	5/30/19
			Tallahassee CLC	6/22/18	6/21/20		Sudbury	3/9/19	6/30/20	Lehi	7/13/18	7/12/19
			Thessaloniki	12/14/18	1/13/20		Tijuana	4/1/18	4/30/19	Melbourne MV	5/12/18	12/31/19
			Toronto OSC	10/15/18	10/15/19		Toronto OSC	6/15/18	6/30/19	Port of Spain	9/27/18	9/26/19
			Washington NASM	3/6/15			Victoria DCI	7/1/18	7/31/19	Sacramento Imx	9/21/18	6/30/19
JTSP			Edmonton TWS	1/16/15		Penguins	Virginia Beach AMSC	1/1/19	1/31/20	Seattle PSC 2	12/7/18	5/31/19
			Memphis Pink	5/26/18	5/25/19		Atlanta FMNH	1/31/19	2/1/20	Sudbury	12/7/18	12/6/19
			Speyer Dome	5/25/17	5/26/19		Kuwait SCK	2/21/19	5/6/19	Virginia Beach AMSC	6/30/18	9/30/19
			Harrisburg	9/7/18	9/6/19		Milwaukee	10/23/17	6/20/19	Katowice CC	9/30/19	9/30/19
			Hutchinson	5/30/15	8/30/19		Poitiers Imax	2/8/19	2/8/20	Krakow CC	9/30/19	9/30/19
	JTSP		Orlando SC	9/1/17	8/31/19	PlanPowe	Sinsheim	3/29/19	2/8/20	Lodz CC	9/30/19	9/30/19
			Columbus GA NIM	5/7/19	5/7/19		Valencia Spn	1/7/19	6/30/20	Poznan CC	9/30/20	9/30/20
			Davenport Put	4/26/20			Charleston CCAS	1/1/19	1/1/21	Warsaw CC	9/30/19	9/30/19
			Raleigh	1/1/15	7/2/20		Hague	6/9/15	12/19	Wroclaw CC	9/30/19	9/30/19
			Sacramento Imx	7/1/15	12/31/19		Louisville KSC	7/4/14	7/20/20	Gatineau	7/30/18	3/30/20
		JTSP	Saint Augustine	6/14/19		Pulse	<					

Film	Theater	Open	Close	Film	Theater	Open	Close	Film	Theater	Open	Close
	Chicago MSI	3/19									
	Cincinnati MC	12/21/18		WildAfri	Victoria DCI	1/18/19	7/18/19	WTTR3D	Singapore DC	4/1/19	8/31/19
	Davenport Put	11/9/18	11/8/19		Charlotte DP	9/19/18	9/30/19	WWDPP3D	Houston MNS	4/1/18	5/31/19
	Denver MNS	1/24/19	1/23/20		Davenport Put	8/20/17	9/30/19		Bradford	9/16/15	9/30/19
	Edmonton TWS	10/12/18	10/11/19		Houston MNS	6/1/16	6/30/19		Edmonton TWS	5/1/15	5/31/19
	Erie	2/15/19	7/30/19		Las Palmas	7/15/18	7/31/19		Erie	9/15/16	12/15/19
	Houston MNS	11/9/18			Lucerne	9/21/17	9/30/19		Melbourne MV	9/22/17	9/30/19
	Kagoshima	12/18	12/19		Melbourne MV	1/4/18	2/1/21		Peoria RM	6/30/18	6/30/19
	Lehi	10/13/18	10/12/19		Portland OMSI ET	1/26/18	1/31/20		Portland OMSI ET	1/26/18	1/31/20
	Los Angeles CSC	1/16/19	7/15/19		Richmond SMV	2/1/17			Tallahassee CLC	4/19/16	7/31/19
	Melbourne MV	3/21/19	3/20/20	WildOcea	Tallahassee CLC	5/15/16	6/30/19				
	Montreal SC	2/14/19	8/14/19	WM	New Orleans	7/1/17	6/30/19				
	Phoenix ASC	2/22/19	7/20/19		Cleveland	6/15/18	6/1/19				
	Portland OMSI ET	10/13/18	10/12/19	WOTA	Louisville KSC	2/8/14	12/31/19				
	Salt Lake City Clark	1/16/19	2/15/20		Galveston	11/17/18	11/30/19				
	San Diego RHF	11/9/18			Saint Félicien	4/1/18	11/30/19				
	Seattle PSC 2	1/4/19	5/31/19		San Diego RHF	12/7/18	12/31/19				
	Vancouver TWS	11/17/18	9/30/19	WTM	Vancouver TWS	7/1/17	6/30/19				
					Quantico	7/31/17					

April 2019 by Theater

Theater	Film	Open	Close	Theater	Film	Open	Close	Theater	Film	Open	Close
Aguascalientes	AMJ	4/5/19	8/5/19	Albuquerque NMMNH	AMJ	5/25/18	5/24/19	Galveston	SupDogs	3/15/19	
	ExtrWeat	5/26/18	4/30/19		Bugs	9/15/14	6/30/19		TA	3/1/17	9/30/19
	OOBP	8/15/18	8/30/19		FlyMons	7/17/17	7/30/19		AOTE	11/17/18	11/30/19
	AGWN	6/28/18	6/28/19		FOTB	9/1/14	6/30/19		BackWild	8/21/18	6/30/19
	AMJ	7/16/18	7/15/19		IncrPred	9/22/18	9/30/19		Cuba	3/9/19	3/31/20
	MA	2/11/19	2/10/20		OOBP	9/22/18	9/30/19		Jerusale	11/12/15	4/22/19
	NPA	4/2/18	4/1/19		SupDogs	3/15/19			OOBP	5/1/18	5/31/19
	SupDogs	4/19/19			ACGOTS	5/26/17	5/31/19		WOTA	11/17/18	11/30/19
	Volcanoes	10/15/18	10/14/19		D-Day	1/31/18	12/1/19		AsterME	5/19/17	6/18/20
	GBR3D	1/30/19	1/29/20		JTS	12/4/15	4/30/19		BackWild	9/25/18	9/24/19
Alexandria BA	OOBP	3/1/19	3/31/20	Columbus GA NIM	L&C	5/7/19		Garden City	DreamBig	12/1/17	12/31/19
Athens Eug	AsterME	1/11/18	1/10/20		NPA	4/1/16	5/9/19		ExtrWeat	3/1/18	6/30/19
Atlanta FMNH	EarthFil	6/21/18	6/30/19		MOTUW	6/19/14	6/18/19		Arabia	4/24/18	3/30/20
	FOTB	11/2/18	5/2/19		SOE	7/15/18	7/15/19		BackWild	6/1/18	3/31/20
	GBR3D	12/15/18	12/14/19		TTS	4/14/19	4/13/20		Cuba	2/28/20	
	IncrPred	9/30/17	12/31/19		ACGOTS	6/17/16			D-Day	9/1/15	12/31/20
	MA	2/9/18	2/8/20		FightPil	5/12/12			Dolphins	7/9/18	3/20/20
	OOBP	8/3/18	8/30/19		Bugs	10/1/12	4/28/20		Everest	7/30/18	3/30/20
	Penguins	1/31/19	2/1/20		ExtrWeat	10/15/16	10/14/19		FOTB	10/5/12	6/30/19
	TOTIA	6/15/17	6/30/19		FlyMons	3/27/14	6/1/20		GWS	10/7/16	3/31/20
Atlantic City	SupDogs	3/15/19		FOTB	2/15/13	6/30/19	VanGogh	7/30/18	3/30/20		
	AMJ	3/1/19	6/1/20	G3DNW	1/29/19	10/20/20	TTA	4/1/15	4/10/19		
	AmazAdve	9/1/18	8/15/19	L&C	4/26/20		GC	11/1/99	12/19		
	DreamBig	10/1/17	9/1/19	LastReef	7/1/15	6/30/19	DreamBig	7/15/17	7/31/19		
	BackWild	3/1/19	3/1/21	LITAOA	7/1/16	10/1/20	GCA	9/1/18	7/31/19		
	DreamBig	2/17/17	6/30/19	SupDogs	3/15/19		HumpbWha	9/1/18	7/31/19		
	ExtrWeat	3/1/19	6/30/21	TA	7/1/14	6/30/19	NPA	10/1/18	7/31/19		
	HumpbWha	7/1/15	7/12/19	TinyGian	9/25/15	6/30/19	TTA	6/2/18	7/31/19		
	NPA	7/1/18	6/30/19	TOTIA	2/1/15	6/30/19	AMJ	4/16/19	4/15/20		
	Baton Rouge LASM	Mummies	3/1/17	3/31/21	Volcanoes	11/9/18	11/8/19	BackWild	4/3/19	3/31/20	
Beijing 3D CSTM	SFLUS	1/1/19	6/30/20	WildAfri	8/20/17	9/30/19	DreamBig	4/16/18	4/15/19		
	SpaceNex	4/1/19	3/31/20	ACGOTS	6/17/16	12/31/19	AMJ	7/3/18	7/2/19		
Benton Harbor Cel	DreamBig	7/15/17	7/31/19	D-Day	5/26/17	12/31/19	BackWild	2/12/19	2/11/20		
Berlin CS	G3DNW	4/20/14	10/19/19	FightPil	3/1/13		FON	10/4/12	10/3/20		
Birmingham AL	OOBP	9/30/18	9/30/19	JTS	3/6/15	12/1/19	GWS	4/1/18	4/30/19		
	SupDogs	3/15/19		Dearborn THF	AMJ	2/16/18	2/18/20	Jerusale	3/31/14	12/31/19	
	GBR3D	7/5/18	7/4/19		BackWild	8/1/18	7/31/19	JTM		6/30/19	
	HumpbWha	2/13/15	12/31/19		D-Day	2/27/17	5/31/19	MOTUW	10/1/15	12/19	
	Volcanoes	11/9/18			DreamBig	2/17/17	2/18/20	OOBP	7/13/18	7/31/19	
Boston NEA	GWS	5/31/13	6/30/19		RobotsNG	3/25/16	1/31/20	PTJH	6/9/15	12/19	
Bradford	DreamBig	1/1/18	12/31/19		SupDogs	3/15/19		ACGOTS	11/10/17	11/9/19	
	MOTUW	4/12/14	6/30/19		Cuba	10/19/18	10/31/19	AMJ	10/1/18	9/30/19	
	WWDPP3D	9/16/15	9/30/19		OOBP	9/1/18	9/30/19	D-Day	10/17/18	10/17/19	
Branson	NPA	3/18/16	4/12/20		SupDogs	3/15/19		HidUniv	9/7/18	12/31/19	
	SupDogs	3/15/19			Volcanoes	1/24/19	1/23/20	Hurrican	6/15/17	6/14/19	
Calgary TS	ExtrWeat	9/1/17	9/1/20	GlobSoun	10/1/16	9/1/20	JTS	2/21/15	2/20/20		
Carnival Horizon	NPA	4/1/18	10/5/19	ExtrWeat	5/22/17	5/21/20	NPA	4/29/16	4/29/19		
	SupDogs	3/15/19		AGWN	1/1/19	12/31/19	RobotsNG	6/20/15	6/19/19		
Carnival Vista	NPA	11/4/16	6/4/19	AmazAdve	1/19/18	6/30/19	SupDogs	3/15/19			
	SupDogs	3/15/19		Bugs	6/30/18	6/30/19	AGWN	12/1/18	12/1/19		
Chandigarh	AMJ	6/15/18	6/14/20	Cuba	2/1/19	2/28/20	JMCOS	12/1/18	12/1/19		
	Everest	6/15/18	6/14/20	D-Day	3/1/18	12/31/19	DreamBig	2/18/17	3/11/20		
Chantilly	DreamBig	2/17/17	2/16/20	DreamBig	3/25/17	2/18/20	ExpChesa	3/20/19			
	FightPil	12/10/04		DSC	9/14/18	9/23/19	FOTB	2/2/14	6/30/19		
	LITAOA	5/1/15		ExtrWeat	6/2/17	6/1/19	GBR3D	7/6/18	7/5/19		
Charleston CCAS	PTJH	1/1/19	1/1/21	FOTB	12/26/13	6/30/19	GBRF	2/15/19	2/14/20		
Charlotte DP	AmazAdve	5/1/17	6/30/19	GBR3D	7/1/18	6/30/19	NPA	7/1/16	7/1/19		
	BackWild	11/24/18	11/23/19	GlobSoun	10/1/16	6/4/20	TinyGian	2/1/18	3/31/21		
	DreamBig	8/26/17	12/31/19	HumpbWha	10/2/15		Amazon	3/25/15	4/1/19		
	FlyMons	5/26/18	12/31/19	Jerusale	12/26/13	6/30/19	AMJ	4/6/19	4/15/20		
	GlobSoun	11/1/17	10/1/20	JTM	12/26/13	6/30/19	CRA	3/25/15	4/1/19		
	OOBP	6/1/18	6/30/19	JTTS	1/16/15		Everest		4/1/19		
	SupDogs	3/15/19		NPA	2/12/16	10/15/19	Kenya	9/7/18	9/6/19		
	WildAfri	9/19/18	9/30/19	SeaMonst	1/3/16	8/31/19	AMJ	6/21/18	6/20/19		
Chattanooga TA	AMJ	6/22/18	6/21/19	SupDogs	3/15/19		DreamBig	10/19/17	10/1/19		
Chicago MSI	AmazAdve	5/26/17	6/30/19	Volcanoes	10/12/18	10/11/19	FOTB	3/17/13	6/30/19		
	SOE	5/25/18	5/25/19	WWDPP3D	5/1/15	5/31/19	G3DNW	2/10/15	6/10/19		
	TA	5/31/18	5/31/19	AmazAdve	6/30/18	6/30/19	NPA	6/9/16	7/1/19		
	Volcanoes	3/19		BackWild	8/4/18	6/30/19	SupDogs	3/15/19			
Chicago NP AMC	SupDogs	3/15/19		TurtOdys	4/27/19	10/30/19	TurtOdys	9/13/18	5/30/19		
Cincinnati MC	HumpbWha	2/1/19	2/1/21	Volcanoes	2/15/19	7/30/19	SOE	1/1/19			
	Mummies	2/1/19	12/31/19	WWDPP3D	9/15/16	12/15/19	AmazAdve	4/21/17	12/31/19		
	NPA	1/1/19	2/1/21	BackWild	6/1/18	5/31/20	BackWild	2/16/19	9/15/19		
	Volcanoes	12/21/18		GBR3D	10/5/18	10/4/19	DinoAliv	7/1/17	6/30/19		
Cleveland	AmazAdve	1/9/18	6/30/19	GBRF	2/15/19	2/14/20	DreamBig	2/17/17	12/31/19		
	AMJ	3/23/18	3/31/20	SupDogs	4/19/19		GBR3D	3/8/19	3/8/20		
	BackWild	2/2/19	8/1/19	BackWild	11/2/18	5/30/19	NPA	7/1/18	12/31/19		
	DreamBig	3/17/17	3/31/20	CRA	6/10/17	9/30/19	SupDogs	4/26/19			
	GBR3D	8/1/18	7/31/19	DinoAliv	7/15/16	9/30/19	Volcanoes	11/9/18			
	NPA	7/1/17	3/31/20	Dolphins	5/28/16	9/30/19	WildAfri	6/1/16	6/30/19		
	WM	6/15/18	6/1/19	DreamBig	2/17/17	6/30/19	WTTR3D	4/1/18	5/31/19		
Columbus COSI	AmazAdve	1/10/18	6/30/19	NPA	2/12/16	5/31/19	Hutchinson	ACGOTS	5/29/17	11/30/19	

Theater	Film	Open	Close	Theater	Film	Open	Close	Theater	Film	Open	Close
Indianapolis Imx	AirRacer	1/19/18	1/31/20	Mobile	OOBP	6/14/18	6/30/19	Richmond SMV	RobotsNG	9/1/18	9/1/19
	Cuba	2/15/19	2/28/20		Penguins	10/23/17	6/20/19		AmazAdve	5/1/18	4/30/19
	D-Day	12/31/17	1/31/20		RobotsNG	5/1/16	6/30/19		FOTB	5/1/13	6/30/19
	GWS	7/1/17	12/31/19		TOTIA	6/14/18	6/30/19		GCA	6/1/16	7/31/19
	Kenya	5/30/15	8/30/19		GlobSoun	10/18/17	10/31/20		HumpbWha	3/14/15	7/31/19
	LITAOA	5/1/15	7/19	MOC	1/25/19	1/31/20	NPA	4/10/16	4/30/19		
	RobotsNG	5/20/16	6/12/19	NPA	5/26/18	5/25/19	OOBP	6/1/18	6/30/19		
	SpaceNex	9/8/17	3/31/20	AMJ	3/15/18	4/15/20	WildAfri	2/1/17			
	SpacJunk	10/31/14	11/30/20	DreamBig	2/2/18	4/15/20	AmazAdve	9/8/17	6/30/19		
	TOTIA	7/1/17	12/31/19	Montreal SC	AMJ	5/18/18	5/17/19	Sacramento Imx	ExtrWeat	2/24/17	
AmazAdve	9/8/17	6/7/19	OOBP		6/1/18	6/30/19	FOTB		8/13/13	5/31/19	
AMJ	6/8/18	6/7/19	Volcanoes		2/14/19	8/14/19	GWS		2/20/15	6/30/19	
DreamBig	1/17/19	1/16/20	Moscow Kin	AMJ	4/15/18	4/16/20	HumpbWha		8/19/16	10/24/19	
HumpbWha	8/17/16	6/5/19		DreamBig	9/10/17	6/1/19	Jerusale		9/15/14	10/23/19	
JTS	8/31/18	8/30/19		NPA	9/17/16	12/1/19	L&C		7/1/15	12/31/19	
Jersey City	SupDogs	3/15/19		TTA	11/1/16	12/1/19	Saint Augustine		LastReef	5/20/16	6/30/19
	BackWild	8/4/18	8/3/19	DreamBig	7/15/17	7/31/19			Mummies	1/1/17	6/30/19
	DreamBig	2/17/17	12/31/19	MOTUW	1/1/18	12/31/19			NPA	2/19/16	3/25/20
	GBR3D	11/23/18	11/22/19	Dolphins	3/1/19	12/1/19			SupDogs	3/15/19	
	GBRF	3/15/19	3/14/20	DreamBig	7/15/17	7/31/19		TLR	5/20/16	6/30/19	
Kagoshima Kansas City Sci	Jerusale	9/1/18	8/31/20	HOTB	9/15/15	12/31/19		Saint Louis SC	TurtOdys	9/21/18	6/30/19
	NPA	2/12/16	6/24/19	TOTIA	7/1/17	6/30/19			AMJ	6/1/18	5/30/19
	OOBP	6/25/18	6/30/19	WildOcea	7/1/17	6/30/19			DreamBig	2/17/17	6/30/20
	Volcanoes	12/18	12/19	BackWild	9/14/18	4/30/19			ExtrWeat	10/15/16	10/16/20
	DinoAliv	7/3/18	7/31/19	Omaha Zoo Orlando SC	Niagara	7/1/86				FOTB	1/18/13
ExtrWeat	10/15/16	10/14/19	Niagara		5/1/07		GBR3D	8/20/18	8/19/20		
AfricAdv	9/30/19	9/30/19	BackWild		3/24/18	6/30/19	GBRF	2/15/19	2/14/20		
G3DNW	6/18/14	9/30/19	OOBP		10/5/18	10/31/19	L&C		6/14/19		
TurtTale	9/30/19	9/30/19	SupDogs		3/15/19		AOTE	4/1/18	1/130/19		
Keelung NMMST Kenner Killeen Kolkata SC Krakow CC	HumpbWha	7/1/18	6/30/19	BackWild	11/1/18	4/30/19	Saint Félicien	WOTA	4/1/18	1/130/19	
	FlyMons	6/14/16	6/3/21	AmazAdve	2/24/18	6/30/20		Saint Louis SC	AGWN	9/14/18	9/13/19
	FlyMons	9/15/17	9/15/20	BackWild	11/1/18	10/31/19			FON		6/30/19
	Dolphins	3/1/19	12/1/19	DreamBig	2/17/17	11/9/19			SupDogs	3/15/19	
	AfricAdv	9/30/19	9/30/19	EarthFli	4/1/18	4/30/19			ConqOTS	4/7/18	4/6/19
KSC 1 Kuwait SCK	G3DNW	6/18/14	9/30/19	GBRF	2/23/19	2/22/20	Salt Lake City Clark		ExtrWeat	10/24/16	11/19/19
	TurtTale	9/30/19	9/30/19	Kenya	9/1/17	8/31/19		G3DNW	11/1/18	10/31/19	
	JTS	2/27/15		OOBP	4/16/18	4/30/19		GBR3D	7/21/18	7/20/19	
	AmazAdve	6/14/18	12/31/19	SupDogs	4/1/19			Jerusale	12/21/18	11/21/19	
	ExtrWeat	11/1/17	4/30/19	MA	4/1/19	9/30/19		JTS	5/15/15	5/31/19	
Lansing Cel	FMTTM	2/21/19	5/6/19	Oulu Parker	HidUniv	7/29/18	7/21/19	San Diego NHM San Diego RHF	SOE	11/10/18	8/30/19
	OOBP	8/20/18	5/31/19		MOTUW	1/30/19	1/29/20		SupDogs	3/30/19	3/29/20
	Penguins	2/21/19	5/6/19		ACGOTS	5/26/17	6/30/20		Volcanoes	5/16/19	2/15/20
	DreamBig	6/30/17	7/31/19		AMJ	2/26/19	2/27/20		NPA	12/1/18	8/31/19
	HidUniv	7/1/18	7/31/19		D-Day	7/1/18	6/30/19		Bugs	7/1/14	6/30/19
Las Palmas Lehi	NPA	10/1/18	7/31/19	Peoria RM	JTS	4/1/15	11/30/19	San Jose Tech	DreamBig	3/10/17	4/1/19
	WildAfri	7/15/18	7/31/19		AmazAdve	6/20/18	9/30/19		FON	11/14	4/20
	BackWild	5/24/18	5/24/20		AMJ	2/16/18	2/17/20		FOTB	10/12/12	6/30/19
	FOTB	1/19/19	1/19/20		D-Day	4/2/15	2/28/20		GBR3D	7/5/18	7/5/19
	IncrPred	9/29/17	9/30/19		FOTB	4/1/16	6/30/19		Jerusale	11/20/15	4/3/20
Leon Exp	LITAOA	4/10/15	7/30/19	Philadelphiia FI	Mummies	10/16/18	10/31/20	Seattle PSC 1 Seattle PSC 2	L&C		4/3/20
	TurtOdys	7/13/18	7/12/19		OOBP	9/28/18	9/30/19		MOTUW	11/8/13	4/3/20
	Volcanoes	10/13/18	10/12/19		SupDogs	3/30/19			Volcanoes	11/9/18	
	FMTTM	1/2/19	4/30/19		TinyGian	6/30/18	6/30/20		WOTA	12/7/18	12/31/19
	HumpbWha	12/1/18	5/31/19		WWDPP3D	6/30/18	6/30/19		AMJ	2/17/18	11/1/19
London BFI Ode	AfricAdv	9/30/19	9/30/19	Phoenix ASC	ExtrWeat	2/11/17	12/31/19	Shanghai 3D STM	DreamBig	2/17/17	11/1/19
	G3DNW	6/18/14	9/30/19		OOBP	5/1/18	5/1/19		ExtrWeat	10/15/16	10/30/19
	TurtTale	9/30/19	9/30/19		SFLIS	2/2/19	2/2/21		GWS	10/31/18	1/31/20
	AMMM	9/1/18	2/6/20		SupDogs	4/13/19			Jerusale	3/15/15	6/20/19
	D-Day	6/25/18	6/25/19		Vikings	10/13/18	10/1/19		L&C	6/8/16	6/20/19
London SM Los Angeles CSC	Jerusale	1/1/14	7/30/19	Pittsburgh CSC	IncrPred	10/19/18	10/31/19	Shreveport Singapore DC	NPA	2/12/16	11/1/19
	NPA	2/12/16	7/1/19		Mummies	2/6/19	2/28/20		RobotsNG	10/3/15	10/31/20
	OOBP	9/7/18	6/30/19		OOBP	5/4/18	5/31/19		SupDogs	3/22/19	
	DreamBig	9/4/17	8/31/19		TOTIA	12/1/18	12/31/19		HCBTD	8/17/96	
	JTS	10/29/15	6/9/19		Volcanoes	2/22/19	7/20/19		GlobSoun	10/1/16	12/31/20
Louisville KSC	SupDogs	3/15/19		Portland OMSI ET	AmazAdve	11/17/17	6/30/19	Sioux Falls	AGWN	10/5/18	4/4/19
	Volcanoes	1/16/19	7/15/19		AMJ	1/25/19	1/24/20		AmazAdve	11/10/17	
	DreamBig	2/17/17	2/28/20		BackWild	8/31/18	6/30/19		AMJ	9/7/18	9/6/19
	FON	6/18/15	7/2/20		DreamBig	11/17/17	12/31/19		D-Day	3/29/14	6/30/19
	FOTB	9/30/12	6/30/19		HumpbWha	6/17/16	12/31/19		DreamBig	2/17/17	6/30/19
Lubbock SS	Jerusale	1/20/14	7/20/20	Port of Spain	NPA	2/12/16	12/31/19	Singapore SC	OOBP	4/20/11	4/30/19
	LastReef	2/8/14	6/30/19		TinyGian	11/15/17	11/30/19		SupDogs	3/15/19	
	OOBP	8/15/18	6/15/19		PlanPowe	2/9/19	2/8/20		TurtOdys	12/7/18	5/31/19
	PTJH	7/4/14	7/20/20		TinyGian	4/1/16	4/30/19		Volcanoes	1/4/19	5/31/19
	SupDogs	3/15/19			GBR3D	1/30/19	1/29/20		AGWN	1/1/19	1/1/20
Lucerne	TA	2/1/16	7/31/19	Portage Cel	Hurrican	4/26/18	4/25/19	Speyer Dome	AmazAdve	8/1/18	8/1/19
	TinyGian	9/21/17	9/30/19		TurtOdys	9/27/18	9/26/19		SpacJunk	2/1/19	2/1/20
	TOTIA	6/30/18	7/31/19		DreamBig	6/30/17	7/31/19		SupDogs	3/15/19	
	WM	2/8/14	12/31/19		GCA	9/1/18	7/31/19		DreamBig	10/1/18	4/1/19
	AMJ	7/6/18	7/6/19		HumpbWha	9/1/18	7/31/19		WTM	4/1/19	8/31/19
McMinnville	BackWild	11/9/18	5/30/19	Poznan CC	NPA	10/1/18	7/31/19	Stockholm	AMJ	4/22/19	5/22/19
	OOBP	5/1/18	5/31/19		TTA	6/1/18	7/31/19		GBRF	3/16/19	3/15/20
	SupDogs	3/10/19			AmazAdve	2/16/18	2/16/20		NPA	4/22/19	5/22/19
	AMJ	9/1/18	9/1/19		AOTE	1/26/18	1/31/20		SpaceNex	6/1/18	6/1/19
	FON	11/11/17	10/31/19		BackWild	9/7/18	9/6/19		NPA	3/4/16	3/1/20
Melbourne MV	Hurrican	12/18/18	8/31/19	Prague CC	DinoAliv	1/26/18	1/31/20	Sudbury	PlanPowe	3/28/19	3/27/20
	OOBP	6/1/18	6/30/19		DSC	1/16/15	4/28/19		AmazAdve	12/2/17	6/30/19
	WildAfri	9/21/17	9/30/19		FlyMons	5/22/14	4/9/19		AMJ	2/1/19	8/1/19
	DSC	6/16/16			FOTB	1/7/14	6/30/19		BackWild	2/1/19	5/31/19
	FightPil	3/23/12			OOBP	4/20/18	4/30/19		DreamBig	6/2/17	6/30/19
Memphis Pink	LITAOA	4/10/15	5/30/19	Raleigh	SeaMonst	1/15/14	4/28/19	Tallahassee CLC	ISR	5/4/18	4/30/19
	LOF	3/23/12			SupDogs	3/15/19			LastReef	1/30/15	6/30/19
	RobotsNG	11/6/15	5/30/19		TA	1/26/18	1/31/20		TinyGian	7/1/17	6/30/19
	TTS	1/1/19	12/31/19		Volcanoes	10/13/18	10/12/19		TLR	7/1/17	6/30/19
	AmazAdve	9/15/17	9/13/19		WildAfri	1/26/18	1/31/20		Dolphins	1/1/15	12/30/19
Mexicali	AMMM	7/11/16		Regina	WWDPP3D	1/26/18	1/31/20	Syracuse MOST	Jerusale	12/12/13	12/11/19
	ExtrWeat	4/1/19	3/31/20		AfricAdv	9/30/19			JTSP	5/25/17	5/26/19
	MA	1/30/17	1/28/20		G3DNW	6/18/14	9/30/19		MOF		12/31/19
	Mummies	9/22/17	9/30/19		TurtTale	9/30/19			Animalop	10/1/17	10/1/19
	TinyGian	9/22/17	9/30/19		G3DNW	5/22/14	12/31/19		MOTUW	9/18/15	9/1/19
Mexico City PAP Milwaukee	TOTIA	9/22/17	9/30/19	Syracuse MOST	ACGOTS	4/2/18	4/2/19	Tallahassee CLC	OOBP	2/22/19	2/21/20
	TurtOdys	5/12/18	12/31/19		WTM	7/31/17			BackWild	9/4/18	6/30/19
	Volcanoes	3/21/19	3/20/20		AMJ	9/1/18	8/31/19		D-Day	5/30/16	6/30/19
	WildAfri	1/4/18	2/1/21		BackWild	6/4/18	6/3/19		DreamBig	2/17/17	6/30/19
	WWDPP3D	9/22/17	9/10/19		D-Day	5/23/14	2/22/20		ExtrWeat	10/15/16	6/30/19
Mexicali	AMJ	8/1/18	8/10/19	Regina	ExtrWeat	10/17/16	10/15/21	Syracuse MOST	GBRF	2/15/19	6/30/20
	ExtrWeat	3/24/17	8/31/19		FON	2/1/21	10/21		HumpbWha	9/24/15	
	JTSP	5/26/18	5/25/19		FOTB	10/19/17	6/30/19		MOC	9/7/17	10/31/19
	MOC	2/9/19	5/22/20		GBRF						

Theater	Film	Open	Close	Theater	Film	Open	Close	Theater	Film	Open	Close
Thessaloniki	AMJ	2/16/18	2/28/20	Valencia Spn	GBRF	2/15/19	2/14/20	Virginia Beach AMSC	DreamBig	3/17/17	12/31/19
	BackWild	10/18/18	10/18/19		JTS	10/15/18	10/15/19		FOTB	4/5/13	6/30/19
	Cuba	1/18/19	6/30/20		OOBP	6/15/18	6/30/19		GBRF	2/15/19	2/14/20
	ExtrWeat	5/19/17	5/1/20		SupDogs	4/12/19			IncrPred	11/16/18	11/30/19
	FOTB	1/18/13	6/30/19		AMJ	7/1/18	6/3/19		OOBP	7/1/18	7/31/19
	HidUniv	2/1/19	2/28/20		BackWild	4/1/19	6/30/20		SFLIS	9/22/17	12/31/19
	HumpbWha	1/1/19	2/28/20		DreamBig	4/1/18	6/30/19		SOE	9/11/18	
	JTS	6/22/18	6/21/20		NPA	10/7/16	6/30/19		Volcanoes	1/18/19	7/18/19
	MOTUW	3/17	3/20		PlanPowe	1/7/19	6/30/20		BackWild	6/30/18	12/31/19
	RobotsNG	10/16/15	11/8/19		AmazAdve	12/22/17	6/30/19		OOBP	1/1/19	1/31/20
Tijuana	SupDogs	3/15/19		Vancouver TWS	D-Day	11/7/15	11/13/19	Warsaw CC	TurtOdys	6/30/18	9/30/19
	TinyGian	1/6/18	7/31/19		GBRF	2/15/19	2/14/20		AfricAdv	9/30/19	
	TTA	2/1/19	2/28/20		GlobSoun	10/1/16	2/5/20		G3DNW	6/18/14	9/30/19
	WildAfri	5/15/16	6/30/19		HumpbWha	10/9/15	6/30/19		TurtTale		9/30/19
	WWDP3D	4/19/16	7/31/19		Mummies	7/1/17	6/30/19		ACGOTS	5/26/17	5/25/20
	DreamBig	10/28/17	10/2/19		NPA	2/12/16	6/30/19		D-Day	5/23/17	5/22/19
	JTS	12/14/18	1/13/20		Pulse	7/1/17	6/30/19		DreamBig	2/17/17	2/16/20
	Cuba	10/15/18	10/14/19		Volcanoes	11/17/18	9/30/19		JTS	3/6/15	
	ExtrWeat	7/28/17	6/1/19		WOTA	7/1/17	6/30/19		LITAOA	4/10/15	
	GBRF	2/22/19	2/22/20		PTJH	1/27/17	1/26/20		SupDogs	3/15/19	
Toronto OP	OOBP	4/1/18	4/30/19	Vantaa	AmazAdve	4/14/17	6/30/19	Wroclaw CC	AfricAdv		9/30/19
	ACGOTS	6/1/18	6/1/20		Cuba	3/29/19	3/31/20		G3DNW	10/4/17	9/30/19
Toronto OSC	AmazAdve	10/6/17	6/30/20	Victoria DCI	D-Day	7/1/17	7/1/19		TurtTale		9/30/19

Key to Film Abbreviations

Film	Title	Year	Dist	Film	Title	Year	Dist	
ACGOTS	Aircraft Carrier: Guardian of the Seas	2016	3D	K2	Niagara	Niagara: Miracles, Myths, and Magic	1987	DCI
AfricAdv	African Adventure 3D	2007	3D	nWP	NPA	National Parks Adventure	2016	3D
AGWN	Australia's Great Wild North	2018		K2	OOBP	Oceans: Our Blue Planet	2018	3D
AirRacer	Air Racers 3D: Forces of Flight	2012	3D	K2	Penguins	Penguins 3D	2013	3D
AmazAdve	Amazon Adventure	2017	3D	SKF	PlanPowe	Planet Power	2018	3D
Amazon	Amazon	1997		MFF	PTJH	Pandas: The Journey Home	2014	3D
AMJ	America's Musical Journey	2018	3D	MFF	Pulse	Pulse: A Stomp Odyssey	2002	GSF
AMMM	Amazing Mighty Micro Monsters 3D	2016	3D	nWP	RobotsNG	Robots	2015	3D
Animalop	Animalopolis	2008	3D	K2	SeaMonst	Sea Monsters: A Prehistoric Adventure	2007	CPD
AOTE	Antarctica 3D: On the Edge	2014	3D	GSF	SFLIS	Search for Life In Space, The	2016	3D
Arabia	Arabia	2010	3D	MFF	SOE	Story of Earth, The	2018	3D
AsterME	Asteroid: Mission Extreme	2016	3D	CPD	SpaceNex	Space Next 3D	2015	3D
BackWild	Backyard Wilderness	2018	3D	SKF	SpacJunk	Space Junk	2012	3D
Bugs	Bugs!	2003	3D	SKF	SupDogs	Superpower Dogs	2019	3D
ConqOTS	Conquest of the Skies	2017	3D	nWP	TA	Tornado Alley	2011	3D
CRA	Coral Reef Adventure	2003		MFF	TinyGian	Tiny Giants 3D	2014	3D
Cuba	Cuba	2019	3D	GSF	TOTIA	Titans of the Ice Age	2013	3D
D-Day	D-Day: Normandy 1944	2014	3D	K2	TTA	To the Arctic	2012	3D
DinoAliv	Dinosaurs Alive	2007	3D	GSF	TTS	Touch the Stars	2019	3D
Dolphins	Dolphins	2000		MFF	TurtOdys	Turtle Odyssey	2018	3D
DreamBig	Dream Big: Engineering Our World	2017	3D	MFF	TurtTale	Turtle's Tale: Escape from Paradise, A	2013	3D
DSC	Deepsea Challenge 3D	2015	3D	CPD	VanGogh	Van Gogh: Brush with Genius	2009	MFF
EarthFli	Earthflight	2017	3D	GSF	Vikings	Vikings	2004	GSF
Everest	Everest	1998		MFF	Volcanoes	Volcanoes: The Fires of Creation	2018	3D
ExpChesa	Expedition Chesapeake	2019		B&D	WildAfri	Wild Africa 3D	2015	3D
ExtrWeat	Extreme Weather	2016	3D	CPD	WildOcea	Wild Ocean	2008	3D
FightPil	Fighter Pilot: Operation Red Flag	2004	3D	K2	WM	Watermelon Magic	2013	3D
FlyMons	Flying Monsters 3D	2011	3D	CPD	WOTA	Wonders of the Arctic	2014	3D
FMTTM	Fly Me to the Moon	2008	3D	nWP	WTM	We, The Marines	2017	MFF
FON	Forces of Nature	2004		CPD	WTTTR3D	Waking the T-Rex: The Story of Sue 3D	2010	3D
FOTB	Flight of the Butterflies	2012	3D	SKF	WWDPP3D	Walking With Dinosaurs: Prehistoric Planet 3D	2014	3D
G3DNW	Galapagos 3D: Nature's Wonderland	2014	3D	nWP				
GBR3D	Great Barrier Reef	2018	3D	MFF				
GBRF	Great Bear Rainforest	2019	3D	MFF				
GC	Grand Canyon: The Hidden Secrets	1985		DCI				
GCA	Grand Canyon Adventure: River at Risk	2008	3D	MFF				
GlobSoun	Global Soundscapes: Mission to Record the Earth	2016	3D	FIC				
GWS	Great White Shark	2013	3D	GSF				
HCBTD	Hearst Castle: Building the Dream	1996		DCI				
HidUniv	Hidden Universe	2013	3D	MFF				
HOTB	Hurricane on the Bayou	2006		MFF				
HumpbWha	Humpback Whales	2015	3D	MFF				
Hurrican	Hurricane	2017	3D	nWP				
IncrPred	Incredible Predators	2016	3D	GSF				
ISR	In Saturn's Rings	2018		B&D				
Jerusalem	Jerusalem	2013	3D	CPD				
JMCSO	Jean-Michel Cousteau's Secret Ocean	2015	3D	K2				
JTM	Journey to Mecca	2009		CPD				
JTS	Journey to Space	2015	3D	K2				
JTTSP	Journey to the South Pacific	2013	3D	MFF				
Kenya	Kenya 3D: Animal Kingdom	2013	3D	K2				
L&C	Lewis & Clark: Great Journey West	2002		CPD				
LastReef	Last Reef, The	2012	3D	GSF				
LITAOA	Living in the Age of Airplanes	2015		CPD				
LOF	Legends of Flight	2010	3D	K2				
MA	Museum Alive 3D	2016	3D	nWP				
MOC	Mysteries of China	2016	3D	GSF				
MOF	Magic of Flight, The	1997		MFF				
MOTUW	Mysteries of the Unseen World	2013	3D	CPD				
MounQues	Mountain Quest	2018		K2				
Mummies	Mummies: Secrets of the Pharaohs	2007		GSF				

April 2019 Bookings Count

# Film	# Film	# Film	# Film
40 DreamBig	8 TOTIA	4 WOTA	2 WM
39 SupDogs	7 L&C	3 AOTE	2 WTM
33 AMJ	7 Mummies	3 DSC	1 AirRacer
32 NPA	7 WWDP3D	3 Everest	1 Amazon
31 OOBP	6 AfricAdv	3 GCA	1 Animalop
28 BackWild	6 AGWN	3 Hurrican	1 Arabia
25 AmazAdve	6 FlyMons	3 JTTSP	1 ConqOTS
21 ExtrWeat	6 FON	3 Kenya	1 ExpChesa
21 Volcanoes	6 GlobSoun	3 MOC	1 GC
18 FOTB	6 GWS	3 Penguins	1 HCBTD
16 D-Day	6 LITAOA	3 PlanPowe	1 HOTB
16 HumpbWha	6 TurtTale	3 SFLIS	1 ISR
14 GBR3D	5 Dolphins	3 SpaceNex	1 JMCSO
13 GBRF	5 IncrPred	2 AMMM	1 LOF
13 JTS	5 SOE	2 AsterME	1 MOF
11 G3DNW	5 TA	2 CRA	1 MounQues
11 Jerusale	5 TTA	2 EarthFli	1 Pulse
11 TinyGian	4 Bugs	2 FMTTM	1 VanGogh
9 ACGOTS	4 DinoAliv	2 JTM	1 Vikings
9 MOTUW	4 FightPil	2 Niagara	1 WildOcea
9 TurtOdys	4 HidUniv	2 SeaMonst	1 WTTTR3D
9 WildAfri	4 LastReef	2 SpacJunk	
8 Cuba	4 MA	2 TLR	
8 RobotsNG	4 PTJH	2 TTS	

Directory of Organizations Mentioned in this Issue of LF Examiner

Distributors' abbreviations are listed in **bold**.

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POSITION SOUGHT

Hi everyone!
It's been one of the great privileges of my life to serve this incredible community. Most of you know that I have spent a big part of my career at **Evans & Sutherland** advocating high resolution digital dome systems, producing original full-dome digital shows, and distributing converted giant screen content for these systems. Most recently I served as the Director of New Business Development for **Mouse-trappe**, an experience design and production studio in Burbank, CA.

Currently I am seeking a creative role in the production of original giant screen films and other immersive digital content that can integrate experience design to immerse audiences in emotionally resonant and unforgettable ways.

I am a broadly skilled writer/producer/director specializing in immersive media with a reputation as an excellent collaborator, and proficient at guiding projects from concept through production. I am a confident leader, a self-starter, highly motivated, with effective interpersonal skills and a strong creative vision.

I am a highly social and personable professional possessing strong relation-

al skills, well respected and admired by his colleagues and coworkers. I'm proficient in international business.

I am also an engaging and entertaining public speaker and educator with extensive experience speaking to audiences of all sizes at the university level and at public conferences both domestic and international. I know I could be an invaluable asset to your team.

I would love to discuss potential opportunities with you.

Thanks!

Michael Daut
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SHORTS

Euromax 2019 in Copenhagen

Euromax, the European giant-screen association, will hold its 2019 Film Festival and Meeting in Copenhagen, Denmark, June 4-5 at **Planetarium** (formerly the Tycho Brahe Planetarium). This year is the 30th anniversary of both Euromax and the planetarium. The meeting immediately precedes the annual conference of **EC-SITE**, the European association of science centers and museum, which is also taking place in Copenhagen, June 6-8.

The Euromax meeting will include screenings of new films and films in production. For more information and to register, visit euromax.org.

IMAX Dome Laser group founded

The newly formed **IMAX Laser Dome User Group** is holding an invitation-only meeting in Cincinnati, OH, June 12-13. The meeting of current and prospective operators of **Imax Corporation's** new single-projector 4K laser dome projection system will include screenings of several new and coming GS films in the IMAX Dome theater of the **Cincinnati Museum Center**, one of two currently installed such systems. Titles to be shown include the theater's current public feature, *Volcanoes: Fires of Creation*, and private screenings of *Ancient Caves* (rough cut), *Cuba*, *Superpower Dogs*, *Apollo 11*, and *Great Bear Rainforest*, as well as samples of some Hollywood DMR features.

(See item in *The Biz* on page 4 about new signings of the IMAX Dome laser system.)

Jackson Hole rebranded

The **Jackson Hole Wildlife Film Festival** has rebranded itself as **Jackson Wild** and changed the frequency of its film festival and conservation summit in Wyoming from every two years to every year. According to a press release, "two years between convenings [*sic*] is simply too long when

media technology, distribution platforms, and programming priorities shift so rapidly."

The organization has committed itself to concentrating on four "pillars of engagement": the now annual summits; the media awards presented at those meetings; new frontiers, to "train and mentor emerging conservation media leaders"; and global impact through an annual World Wildlife Day Film Showcase to be presented at free screenings around the world. For more information, visit jacksonwild.org.

The film will be distributed in North America by **Metro-Goldwyn-Mayer**.

THX to enter PLF market

Theater tech company **THX Ltd.**, has announced that it will launch THX Ultimate Cinema, a new premium large format (PLF) projection system later this year, with the first installation at the **Fox Theater, Westwood Village**, a 1,400-seat 1931 movie palace in Los Angeles.

The system is being developed in cooperation with **Cinionic**, a joint venture between **Barco**, **China Film Giant Screen**, and **ALPD**, and consists of two Barco 4K laser projectors that provide "increased brightness, contrast, clarity and rich brilliant colors for premium large format screens," according to a press release. The sound system will (of course) comply with THX Certified Cinema standards.

The release did not claim that the system would provide High Dynamic Range (HDR) or High Frame Rate (HFR), nor did it offer technical details about the type of lasers used.

THX is the latest entry into the crowded PLF marketplace that was essentially created by **Imax Corporation**, which now has about 1,400 multiplex theaters. Other competi-

tors include **Dolby**, whose Dolby Cinema dual-laser system provides HDR and light levels much higher than any other system, including IMAX, and recently announced its 100th installation; **RealD**, which offers its Luxe system, currently installed in 11 theaters in eastern Europe, with more than 100 signed in China; and **Sony**, which announced its first PLF installation in Las Vegas earlier this year (see *The Biz*, Feb.-March). In addition to these system suppliers, many theater chains have created their own in-house PLF brands to capitalize on the public's desire for enhanced image and sound quality and theater amenities like plush reclining seats. According to **IHS Markit**, in 2018 there were

(see **SHORTS** on page 12)



Filming with an IMAX 15/70 film camera on a frozen lake in Norway for the next James Bond film.

Bond 25 shooting on 15/65 film

The next film in the **James Bond** franchise, known informally as *Bond 25*, is being filmed in part with IMAX 15/65 cameras. A photo from a location shoot in Norway tweeted in late March by @ImAFilmEditor, shows the camera on a large telescoping crane on a frozen lake near Oslo.

According to IndieWire, Oscar-winning cinematographer **Linus Sandgren** is also shooting with 5/65 Panavision cameras for director **Cary Fukunga**. Set for a release in April 2020, the film, whose working title is *Eclipse*, will be **Daniel Craig's** fifth and last appearance as the British secret agent.